

Manufacturers Record

Exponent of America



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The British Empire and the United States in Contrast.

Of 52,000,000 square miles of land area on the earth the British Empire controls about 14,000,000, or largely more than one-fourth, as against 3,000,000 square miles for continental United States.

The British Empire has approximately the same relative control of the world's population, or somewhere in the neighborhood of 400,000,000 or more inhabitants.

The resources in raw materials of that mighty empire, far and away the greatest in extent the world has ever known under one flag, are almost measureless in extent. Canada alone, with an area surpassing that of the United States, has resources sufficient to enrich even the whole British Empire. It has raw materials of many kinds, almost unnumbered millions of acres of fertile soil, vast virgin forests and mighty water powers.

Great Britain, with its century-old domination of the world's finances, of the world's shipping, and until of late years of its coal and iron and steel and cotton-manufacturing interests, with its practical domination during the fifty years or more of the world's shipping interests, having relatively a larger control over the water area of the earth than it has over the land area, should logically have so developed its wealth by developing Canada, Australia, India and other countries, and its own resources in England, Scotland, Wales and Ireland, as to lead the world in industrial progress and prosperity. But it has not done so. To a large extent Great Britain is stagnant. Its people are complaining of poverty; millions of them are anxious to emigrate. This condition is not due to the World War, for it was in evidence long before the war.

In contrast with the poverty and pessimism which rules throughout Great Britain, and with the gradual lessening of its industry as compared with that of this country, is the enormous expansion of the United States. The London Mail in a lengthy article on the subject, which is published in part elsewhere in this issue, contrasts the conditions in its country with those in the United States. "The United States," say the Mail, "produces more than half of the world's steel and of the products made of steel. Millions of workers own comfortable homes, and have a telephone and a motorcar and other luxuries of which the English workmen scarcely dream." "New York," according to the Mail, alone "has vastly more building than the whole of the United Kingdom, and in a long line of other things America's superiority is overwhelming."

There is some reason for this striking contrast. The British Empire has been falling behind and signally failing to keep pace with its former relative position in the world of trade and with the growth of the United States. The London Mail attempts to solve the problem, and its answer to the question as to why Great Britain is not keeping ahead while the United States is rushing forward, is that Great Britain has adhered to Cobden's theory of free trade, while the United States has built its marvelous wealth on a protective tariff.

England has gone on a basis of low wages at home and still lower wages in India and elsewhere. It has made a fetish of cheapness and is reaping the inevitable result. The United States has gone on a basis of high wages protected by a tariff, and the abounding progress and prosperity of this country are the inevitable result here.

It is well for us to see the situation as viewed by the London Mail, one of the great daily papers of that Empire.



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Manufacturers Record

Exponent of America



CONTENTS

The British Empire and the United States in Contrast.....Cover Page

EDITORIALS

The British Empire and the United States.....	61
The Effort of American Owners of Cuban Sugar Lands to Break Down the Tariff.....	62
A Survey of Farm Conditions Since 1920.....	63
Did the Governor of North Carolina Forget the Constitution?.....	63
Here Is What Bolshevism and Kindred Activities Mean.....	64
Mississippi's Laws Protecting Children.....	64
Outstanding Issue of Campaign Should Be a Protective Tariff.....	65
Deflation and Who Brought It About.....	66
Senator Underwood on the Terrific Cost of Unpreparedness.....	67
How to Secure Business.....	68
World Wheat Prospects.....	68
Lions' Club of Charlotte Stands for Defense Day.....	68
Anniversary of the Constitution Should Be Generally Observed.....	69

NEWS ARTICLES

A Menace to Our Nation Few Understand.....By Felix Rackemann	70
Why Georgia Defeated the Child Labor Amendment.....By J. H. Reed	71
Prosperous Times Ahead in Georgia.....	72
Is War Always a Crime?.....By Richard H. Edmonds	73
The Aluminum Industry Trend Is to the South.....	75
A "University of Petroleum" at Tulsa.....	78
Japanese Peaceful Penetration in Mexico.....	79
The World Nitrate Situation.....	81
Now Arranging for the Exhibits at Southern Exposition.....	82
Tobacco Ranks Fourth in Export Value.....	83

DEPARTMENTS

The Iron and Steel Situation.....	84	Construction.....	91
Railroads.....	85	Machinery, Proposals and Supplies Wanted.....	116
Textile.....	86	New Securities.....	118
Good Roads and Streets.....	88	New Financial Corporations.....	118
Lumber and Building Material.....	89	Trade Literature.....	120
Mechanical.....	90	Industrial News of Interest.....	122

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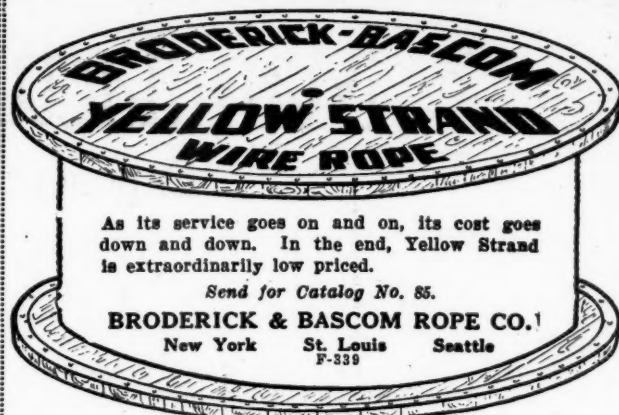
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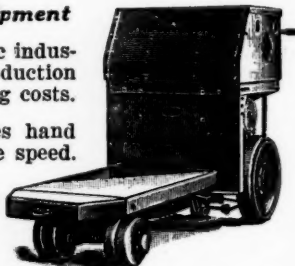
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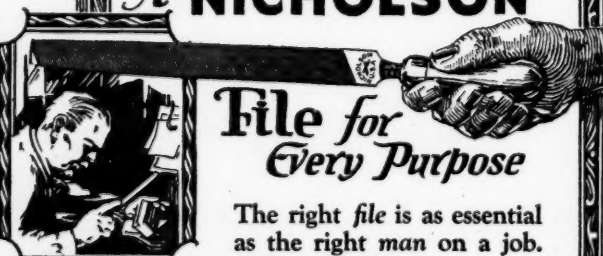
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The British Empire and the United States.

ILLUMINATING and convincing comparison between the prosperity of the United States under a tariff policy and the economic and industrial decadence of England under free trade is pictured in the London Daily Mail, and is emphasized by L. S. Amery, a British writer, in another article. Such plain speaking on this subject by an Englishman would not long ago have been regarded in Great Britain as almost treason; now it comes on the heels of a meager victory for free trade in the British Parliament.

Under the caption, "Why America Is So Wealthy," the Daily Mail editorial opens:

"Agitators demanding vast public expenditure on their pet projects frequently tell us that England is 'rolling in wealth'; that it is 'the richest country in the world.' That was, perhaps, true decades ago, but matters are very different now. England is poor, very poor, if compared with the United States. The United States are fabulously wealthy. Although they possess only about one-twentieth of the population of the world, they have half the world's wealth and have more than half the world's gold, diamonds, pearls and precious stones of every kind."

Far more significant than such wealth in luxury, however, is the wealth of prosperity and contentment among the people, and thus the Daily Mail views it in the following paragraph:

"The true wealth of a nation can best be measured by the condition of the masses. The prosperity of the American workers is almost unbelievable. More or less unskilled men, such as carters, milkmen, builders' laborers, etc., earn 45 shillings (at normal exchange rates about \$11) per day. Vast numbers of skilled workers earn 1000 pounds and more per year (normally, about \$5000). The assertion that America's wealth belongs to the few—that the high cost of living counterbalances the high wages prevailing—is incorrect."

Follows concrete comparison between tariff-policy United States and free-trade England in these words:

"The white population of the Republic is a little more than twice as large as that of this country. However, the United States have not merely twice the number of telephones and motorcars that there are in this country, but have fifteen times as many. To every three families there are two telephones and two motorcars. Millions of unskilled workers have not only roomy houses which belong to them, but have a telephone, a motor car and other luxuries of which the English workingmen scarcely dream.

"Before the war England's savings came to about 400,000,000 pounds a year (under normal exchange conditions about \$2,000,000,000). Although the American people are terribly extravagant, their savings are estimated to come to 2,700,000,000 pounds a year (\$13,500,000,000). Last year the Americans spent on motorcars and trucks alone 750,000,000 pounds (\$3,750,000,000). If we add the expenditure on garages, etc., the motorcar expenditure last year exceeded 1,000,000,000 pounds (\$5,000,000,000)."

And here the Daily Mail reaches the kernel of the nut—this wealth does not come solely, or even in major part, from the natural resources of the country, but from manufacturing industries and their armies of workers, protected by the

tariff against the competition of impoverished England and pauper Europe and the enslaved Orient. As the editorial puts it:

"It is frequently stated that the United States owe their great wealth to the possession of their great natural resources, to the possession of a fruitful agricultural plain, extensive forests, rich mines, etc. That explanation is fallacious.

"The United States are foremost in the world, not only by the productivity of their wheat fields, cotton fields, forests, coal mines, iron mines, etc., but also by the output of their manufacturing industries."

Under present conditions, adds the Daily Mail, England can produce 12,000,000 tons of steel a year, but that figure never yet has been reached; the United States can produce 55,000,000 tons a year and does produce "far more than half of the world's steel and of products made of steel," not to speak of 90 per cent of the world's motorcars.

"In the city of New York alone vastly more building takes place than in the whole of the United Kingdom," adds the Daily Mail. "The textile industries of the Republic consume considerably more cotton than the whole of this country. In the production of goods made from copper, brass, rubber, wood, leather, etc., America's superiority is overwhelming.

"In view of these facts, Cobden's prophecy, 'England is, and always will remain, the workshop of the world,' is ridiculous."

Such is the comparison drawn by the Daily Mail, a leading English newspaper, between the prosperity of the United States under tariff policy and practice and impoverished England in its worship of free trade as a national tradition.

In part, the Daily Mail attributes this difference in economic conditions to English politics and to the English system of trades-unionism, but the outstanding reason for the difference between American and English conditions rests basically on their difference of policy as between a tariff and free trade.

So, too, does Mr. Amery attribute the prosperity of the United States and the poverty of England to their respective adoption and rejection of the tariff. In his conclusion he advocates a tariff for not only England, but also for all other nations of the world.

Like the Daily Mail, Mr. Amery first draws comparisons between the two countries, and under the caption, "An Imperial Stock-Taking," speaks, in part, as follows:

"To realize the full measure of the English failure we must have a standard of comparison. Such a standard is afforded by the United States. * * * There is no inherent reason why the development of the United States during the last century should have been much more rapid or on a much larger scale than that of the British Dominion. What are the actual facts?"

In that period, he cites, the United States has built up an additional population of 100,000,000 "on a higher average level of prosperity than exists anywhere else in the world." American railway mileage, he adds, is nearly as great as that

of the rest of the world put together. The American output of coal, oil, iron and steel greatly exceeds that of the rest of the world, as does the American consumption of electricity. He surmises that the United States turns out in one month many more automobiles than the rest of the world in a whole year.

"Measured by the standard of wealth production, it would be difficult to claim for the British Empire, as a whole, an effective economic output of much more than half that of the United States," says Mr. Amery.

Then, he, too, cracks his economic nut and extracts the following meaty kernel:

"How are we to account for this disparity between America's economic achievement and our own?"

"The answer lies in the simple fact that America has had a national economic policy of development, and consequently has developed, while the British Empire has had no such policy."

It costs Mr. Amery many words to define this "national policy," though he summarizes it fairly well in his opening sentence:

"A national policy is one which aims at concentrating and intensifying, within the political frontiers of a state, the whole cycle of economic development, to the farthest possible extent to which the material and human resources of the state will allow."

That objective never can be reached over the highway of free trade, and England, as the Daily Mail and Mr. Amery now disclose, is awakening to a realization of that fact.

So strong, indeed, is this conversion to the tariff policy that Mr. Amery concludes with the following suggestions:

Preferential tariff for the British Empire.

Tariff "against the outside world" for each individual nation.

This world-wide tariff system he would operate through an international customs federation.

Nor is this tariff to be interpreted by false economic prophets as merely a tariff "for revenue only"—a tax collected on certain imports, arbitrarily selected, to pay the expenses of government. A tariff, to be effective, must be a protection for the American working man and woman, for the employer and for industry of every kind.

Threatening the American coasts are tidal waves of foreign goods, manufactured by near-pauper and actual pauper labor. Such an influx would swamp the American worker and his employer, would sweep their dwellings from foundations, and would engulf the United States in the same depth of poverty and misery as that in which the free-trade countries of the world are submerged without the protection of a tariff. That alone can save the United States from such pauper competition.

SATISFACTORY ALL AROUND.

CHARLES M. MONTGOMERY, director, department of publicity, Richmond Chamber of Commerce, Richmond, Va., in a letter to the MANUFACTURERS RECORD says:

"We wish to take this occasion to thank you for the courtesy shown us in printing the recent notice of our 'Industrial, Commercial and Financial Booklet.' This courtesy is greatly appreciated and it probably will be of interest to you to know that the day after we received our copy of the MANUFACTURERS RECORD we began receiving booklet requests directly traceable to the notice. They have been coming in at the rate of four or five a day and I shall be glad to give you a report of the total number received.

"The returns on the advertising done in the Blue Book also have been most satisfactory."

THE EFFORT OF AMERICAN OWNERS OF CUBAN SUGAR LANDS TO BREAK DOWN THE TARIFF.

E. A. BURGUIERES, a sugar producer of Louisiana, in a letter to Harold G. Moulton, director of the Institute of Economics, Washington, discusses the sugar tariff in a way that ought to prove somewhat enlightening to the theorists who swallow without question the propaganda of the sugar refiners of the East who, owning a large proportion of the sugar lands of Cuba, are constantly fighting to secure a lower tariff, not for the benefit of the consumer, but for their own individual profit. In the course of his letter to Mr. Moulton, Mr. Burguières says:

"In reply to your request I wish to acknowledge receipt of volume entitled 'Sugar in Relation to the Tariff,' by Philip G. Wright.

"I do not for one moment want you to suppose that I am attempting to pose as a member of the class sometimes known as the 'intelligentsia.' My knowledge of the subject of Mr. Wright's volume is merely that of a sugar producer, and as a sugar producer I do not hesitate to differ with the conclusions arrived at by Mr. Wright, in which he states that a lower tariff than the present tariff on sugar would be sufficient to maintain our sugar industry in the United States.

"A few weeks ago Dr. Einstein entered into a controversy with the conductor on an electric tramway over the change returned to him by the conductor. No one would question the superior intelligence of Dr. Einstein, but, nevertheless, the report further states that the conductor was right and that Dr. Einstein was wrong. The conductor knew his business.

"In Chicago today, before the bar of justice, we have a sad example of two colossal failures. They were not wanting in intelligence, but their conclusions will never be accepted.

"If a cup of water is spilled upon a table and runs to the eastward, certain men who call themselves scientists may attempt to prove and by words delude the average run of minds that the water should have flowed to the westward. But the water ran eastward and the cause and effect are beyond all arguments. The point I wish to make is this: American capital has poured into Cuba and other foreign sugar-producing countries to an extent in the last twenty-two years sufficient to bring the Cuban sugar production from four or five hundred thousand tons to an annual four million ton production. Under the present rate of the tariff, 1.76, it is far easier to finance Cuban and other foreign sugar developments than it is to finance any sugar development in the United States.

"The standard of living in Cuba and other foreign countries is far below the living conditions in our own country. The laws of those countries are certainly not as safe as our own laws for the protection of business. Their schools, transportation, etc., are certainly far below anything that we would countenance at home. Still, American capital is more willing to go into the production of sugar in Cuba than at home, and until the tide is turned the other way no arguments by our economist can prove to me that the present tariff is too high. It is strange, indeed, that the arguments that hold good for the protection of the manufacturing industries of the United States are lost sight of in computing the necessary tariffs required by the agricultural industries of the United States. Why should not raw materials produced in the United States be protected with the same amount of care as the finished article is protected in the United States?"

"Personally, all I ask is an equal opportunity and chance in competition with a foreign producer of the raw materials, which I know our country needs and which I know our country can produce. It would be refreshing, however, if the day should ever come when we would find in the United States men big enough, broad enough, with brains enough and fair enough to give our people at home more consideration than is given to the foreigners, which is a consideration we all deserve in the protection of all articles, whether raw or manufactured, as against any competition from the outside world.

"As stated in the first part of this letter, I am not an economist, just a plain producer, whose knowledge of the pudding has come through the eating of it. It would be well for your economists to eat of the pudding and then give us the benefit of their views as a guide to a wholesome solution of this simple problem."

A SURVEY OF FARM CONDITIONS SINCE 1920.

THAT the agricultural interests of the country suffered tremendously from the deflation of 1920 and have not yet gained normal prosperity is shown by a report of the United States Department of Agriculture. The low point of the depression was touched in 1920-21. There was some improvement in the following year. In the last two years the improvement has been quite noticeable, and the department says indications are that it will continue.

Interest paid on total farm indebtedness consumed all capital earnings in the crop years 1920-21 and 1921-22. In the next two years, there was a return of 3.1 per cent on the total capital invested in agriculture, including rewards of management. This investment, however, was written down from \$79,607,000,000 in 1920 to \$59,409,000,000, or a decrease of \$20,000,000,000. Land and buildings by themselves were written down from \$66,316,000,000 to \$48,300,000,000.

Land and buildings, machinery, livestock and working capital make up the total agricultural investment. To arrive at its present estimate of this capital, the department wrote down the census figure of 1920 for land and buildings on the basis of the reported decline in improved farm land values in all parts of the country. It figured the decline in value of equipment on the basis of current prices and estimated purchases of equipment by farmers. The livestock estimate rests on the department's inventory as of January 1. Working capital is estimated at 1 per cent of the total inventory.

For the 5-year period the return on all the capital invested in agriculture was 6.2 per cent for 1919-20, 0.6 per cent for 1920-21, 1.4 per cent for 1921-22, 3.1 per cent for 1922-23, and 3.1 per cent for 1923-24. Even this meager showing was only made by valuing the labor of farm operators and their families at no more than the current rate for common labor.

While agricultural capital as a whole had only the small returns above mentioned, it was paying an average of more than 6.7 on mortgage and other indebtedness, or from 2 to 6 times as much as it was earning.

The gross income of American agriculture, not including livestock (that is the value of its production less feed and seed), was \$15,836,000,000 for 1919-20, at \$12,782,000,000 for 1920-21, \$9,552,000,000 for 1921-22, \$10,592,000,000 for 1922-23, and \$11,467,000,000 for 1923-24. The net income to agriculture was these amounts less operating expenses, taxes and depreciation. With these deductions made, the department figures out the net income of the different years to have been as follows: \$4,954,000,000 for 1919-20, \$438,000,000 for 1920-21, (or less than one tenth as much as for the preceding year), \$865,000,000 for 1921-22, \$1,916,000,000 for 1922-23, and \$1,863,000,000 for 1923-24.

After the farmers had paid interest on their total farm debt, the income left to them on their unencumbered capital is estimated to have been \$4,057,000,000 for 1919-20, a loss of \$468,000,000 for 1920-21, a loss of \$73,000,000 for 1921-22, a net balance of \$964,000,000 for 1922-23, and of \$921,000,000 for 1923-24.

That is the agricultural position as it looked from the standpoint of the earnings on all the capital invested in the business. When it is looked at from the standpoint of the return on the farmer's own capital and the reward for his labor the picture is equally unsatisfactory. On the capital owned by farm operators themselves the rate earned is figured at 5.8 per cent for 1919-20, minus 3.1 per cent for 1920-21, minus 1.4 per cent for 1921-22, 1.5 per cent for 1922-23, and 1.4 per cent for 1923-24. Thus in two out of five years farmer-earned capital earned nothing and had to be drawn on to meet interest charges on borrowed capital.

The estimates of the net return on farmer-owned capital in the last two years are more liberal than those given in a recent survey made by the department upon returns for 1923. In that survey 16,000 owner-operated farms were covered.

Allowing \$870 for the value of the labor of the operator and that of his family, it was figured that the farms studied showed a net balance for the year of \$270, or 1.5 per cent on the average value of the farm real estate and its improvements. That return barely sufficed to pay interest charges. It left practically nothing as a return on the farmer's capital. The new study, which covers the entire country and includes tenants as well as owners, indicates that farm operations in 1922-23 yielded 1.5 per cent on farmer-owned capital and 1.4 per cent for 1923-24 after deducting wages for the farmer's labor but nothing for his management. But this showing, it is pointed out, is due to the fact that the later study makes a more conservative valuation of the farmer's own labor and that of his family than the former one.

Considered from the standpoint of the return for the farmer's own labor after deducting a commercial interest return on his capital, the average farm operator in the 5-year period actually earned less than was paid to common hired hands. If, out of the total agricultural income, farmer-owned capital were credited with earnings at a rate equal to that which investments in farm loan bonds receive, the reward left for management and labor contributed by operators was \$932 per operator and family in 1919-20, \$399 in 1920-21, \$292 in 1921-22, \$454 in 1922-23, and \$520 in 1923-24. These wages may be compared with the average wages (without board) paid to hired farm labor in the same years. These were \$675 in 1919-20, \$779 in 1920-21, \$520 in 1921-22, \$501 in 1922-23, and \$563 in 1923-24.

DID THE GOVERNOR OF NORTH CAROLINA FORGET THE CONSTITUTION?

Naturally, the Governor of North Carolina, in thus sending his representative to the League, is blissfully ignorant of the United States Constitution's ban on the entrance of a state of the Union into relations with a foreign Power, and with the law which forbids American citizens to mix themselves up without national authority with foreign nations. We cannot assume that Governor Morrison wants to set his authority in foreign matters above that of the President of the United States. He must be acting in ignorance. Nobody, therefore, will be much disturbed over his action in sending Mr. Henry to Geneva, and we can imagine, ignorance or no ignorance, the joy of the League officials over the arrival of this Tar-Heel internationalist. He will be the delight of Geneva—the cynosure of all eyes. He will enter into a blaze of glory such as not merely Asheville, but North Carolina as a whole, has never before enjoyed. His presence will cheer the drooping spirits of the assembly and the council, which have been doomed to see the Big Threes, the Big Fives and the Big Fourteens coolly assuming all the functions which the covenant granted to them. It is North Carolina to the rescue.

Incidentally, the new delegate may be able to do something for North Carolina—something for the credit and advantage of tar, of turpentine, of Bull Durham tobacco. We may all join in the hope that this will be so. The Old North State is dear not only to all its natives but to all who have sojourned in it. From Hatteras' sandy reef to the forests of the Big Smoky, the state is ever dear.—*Boston Transcript*.

Whether the Governor of North Carolina forgot the Constitution or not, he at least has made his commissioner, Mr. Henry, an international joke. But all the same it keeps the Old North State everlastingly before the public, and that is more than many governors ever succeed in doing.

WARNING IN THE SEAMEN'S ACT.

AFTER pondering the wreck of the American merchant marine under the La Follette Seamen's Act, sound minds may shudder at thought of what might happen to the railroads' under his dictation. His Seamen's Act was dictated by a foreigner who is not now a sailor and who, some say, is not an American citizen. The La Follette railroad policy might be dictated by W. Z. Foster.

HERE IS WHAT BOLSHEVISM, COMMUNISM AND KINDRED ACTIVITIES MEAN.

THE spirit of bolshevism is world-wide; but comparatively few people seem to realize or take seriously the tremendous influence which is at work to overturn all established government. Bolshevism proclaims in printed language, "To hell with all churches, all synagogues, all governments. We are atheists, we are anarchists."

The degree to which this spirit is carried is shown in a circular issued by the Better America Federation of Los Angeles, Cal., in which it calls attention to a cartoon published in the Daily Worker of June 28, 1924. That cartoon is of Christ Himself, and commenting on this the Better America Federation says:

"The accompanying cartoon printed in the Daily Worker June 28, 1924, is regretfully submitted to the sober reflection of America.

"During all Christian ages, the Personality of the Christ has been held supremely sacred—the highest inspiration of the world's foremost artists, and demanding equal adoration. It has never occurred to any Government to enact laws protecting that Personality from desecration. Even atheists have recognized His character.

"It has remained for the Daily Worker, a Communist sheet, to caricature Him in this revolting manner. This wanton outrage has no parallel in the records of the American press. It is a sacrilegious affront to the religious sentiment of Christendom. No question of religious freedom or freedom of the press is here even remotely involved. It does not touch any aspect of individual right or opinion. It strikes far deeper. It assaults the highest ideals enshrined in the heart of the world. It illustrates the deadly designs of a Red political movement that derides religion and would stamp out any restraint which imposes patriotic obligations.

"The Workers' party is an offspring of the Communist party of Russia; the activities of such organizations as the American Civil Liberties Union, Pacifist groups, I. W. W.'s, etc., are indirectly, if not directly, contributing to and encouraging their program of disruption. Various periodicals and individuals who are endorsing the 'Youth Movement,' and the revolt against civilization are also helping to destroy the fundamental principles upon which this republic was founded and on which future civilization depends.

"The most effective way of dealing with sacrilege is not through legal enactments, but by public sentiment expressing condemnation. Just as there should be no room in America for the condonement of disloyalty, so should there be no room for any paper like the Daily Worker which degrades itself by committing an offense which mankind instinctively denounces."

Mr. Francis R. Welsh of Philadelphia has recently prepared a statement giving a long list of men who would seek to overthrow our Government. The testimony presented showed that two of the men mentioned by him led the I. W. W. in disorder in jail and in singing out of the I. W. W. songbook, which advocates sabotage of farmers' property. Some lines from the songs are:

"Pulpiters are spouting effervescent swill,
God above is calling you to rob and rape and kill;
All your acts are sanctified by the Lamb on high.
If you love the Holy Ghost, go murder, pray and die.

"Rob with bloody fingers, Christ O. K.'s the bill;
Bayonet the babies, jab the mothers, too.
Hoist the cross of Calvary to hallow all you do.
Praise the Lord whose dollar sign dupes his favored race."

It seems like a sacrilege to publish such unspeakably vile stuff, and yet if the American people would rightly understand the activities of the I. W. W., the Communists, the Socialists and Bolsheviks and all the gang which is back of this movement in one way or another, they must comprehend the depth of depravity to which some of these people are going and still stand in high favor among the others. And yet the men who issue such sacrilegious vileness are counted as worthy associates and collaborators with many of the men and women who are backing the third party campaign. Notwith-

standing this fact, some thoroughly reputable men and women, not realizing the kind of company they are keeping, are in favor of La Follette, thus co-operating with the worst elements that have ever cursed our country by their presence here.

MISSISSIPPI'S LAWS PROTECTING CHILDREN.

LUTHER L. TYLER, an attorney at Picayune, Miss., in a letter to the MANUFACTURERS RECORD calls attention to an error in a recent article which we published on the Child Labor Amendment, in which it was stated that Utah, Wyoming and Mississippi, being agricultural states and having no factory child labor problems, had not adopted child labor legislation. On this point Mr. Tyler shows that this is an error in so far as Mississippi is concerned. A law approved on March 10, 1914, in Mississippi provided:

"That no boy under the age of twelve years and no girl under the age of fourteen years shall be employed or permitted to work in any cotton mill or knitting mill in this state."

A law approved March 16, 1912, provided:

"That no girl under the age of fourteen years and no boy under the age of twelve years shall be employed or permitted to work in any mill, factory, manufacturing establishment or cannery in this state."

In April, 1924, approved on April 12, a bill was passed for raising the age limit for boys, and provided:

"That no boy or girl under the age of fourteen years shall be employed or permitted to work in any mill, cannery, workshop, factory or manufacturing establishment within this state."

As far back as March 6, 1908, Mississippi provided that:

"No children under the age of twelve years shall be employed or permitted to work in any mill, factory or manufacturing establishment within this state."

Commenting on these facts, Mr. Tyler adds:

"It is to be observed, therefore, that Mississippi began sixteen years ago by prohibiting the working of children under twelve years of age in 'mills, factories and manufacturing establishments.' The age limit for girls was raised to fourteen years in 1912, and canneries were included in the prohibited employment, and in 1916 cotton and knitting mills were specifically included within the prohibited class. This year, April 12, the age limit for both boys and girls was raised to fourteen years.

"It is proper also to state," adds Mr. Tyler, "that no child of either sex over fourteen years and under sixteen may be employed or permitted to work in any prohibited employment without the written consent of the parent, and then not more than eight hours in any one day, nor more than forty-four hours in any one week. Neither can they work between 7 o'clock P. M. and 6 o'clock A. M.

"The sheriff in each county is required to visit every prohibited place of employment once each month, and the county health officer at least twice each year must inspect each such plant and its employes. The Circuit Judge is required to specially charge each grand jury to investigate violations of the act, and the State Factory Inspector is specially charged under the law to enforce the restrictions as to child labor, as outlined in the various statutes quoted."

We are glad to have this correction, and to note that Mississippi has for so long a time been protecting immature children from working in factories.

MORE COTTONSEED RECEIVED AND CRUSHED.

COTTONSEED oil mill statistics issued by the Census Bureau show that 3,320,648 tons of cottonseed were received at cotton oil mills for the year ended July 31, compared with 3,245,807 tons received during the corresponding twelve months of 1923.

Cottonseed crushed amounted to 3,304,454 tons, compared with 3,241,557 tons crushed from August 1 to July 31, 1923.

On July 31 mills reported 21,534 tons on hand, compared with 12,786 tons on hand July 31, 1923.

The Outstanding Issue of This Campaign Should Be a Protective Tariff.

PROBABLY no statement more absolutely devoid of any foundation in fact has ever appeared in a Southern paper than an article in the Danville Register, in which, in discussing the tariff, it says:

"Beyond any question the Underwood (Democratic) tariff was the sanest, soundest economically and the most beneficial in its effect upon our industry and upon the welfare of the masses ever enacted in this country. The sooner it is restored, with such slight modifications as recently changed conditions may make wise, the better for the welfare of the masses through a lowering of the cost of living."

In the MANUFACTURERS RECORD of last week we published a statement of United States Judge Pardee that within a short time after the passage of the Underwood tariff bill one-half of the sugar interests of Louisiana were sold through his court in bankruptcy proceeding as a result of that bill.

Almost over night \$100,000,000 invested in the sugar interests of that state were wiped out. Under this free-trade or Underwood tariff, bankruptcies rose to a higher point than ever before in the history of the country, stagnation of business was almost universal and a very large proportion of our business interests were on the toboggan slide to ruin when they were saved only by the oncoming of the European War in 1914. That war gave a tremendous stimulation to business; it created an enormous demand for all the products of this country, and our prosperity was fertilized by the blood of millions of soldiers dying on the battlefields of France. If it had not been for this war-created prosperity we would have had such a cataclysm of destruction of business as the country has rarely ever seen, perhaps the worst we had ever seen.

The Underwood tariff was an abomination of desolation; it meant ruin to the enterprises of the South, North, East and West; it meant a great bread line stretching across the country from the Atlantic to the Pacific. The only thing that saved us was the European War.

Surely the intelligent people of this country before this have come to realize, too, entirely without regard to partisan politics, that the outstanding issue of the present Presidential campaign is the tariff, and a tariff high enough to protect us against the inflow of the pauper-made goods of Europe and the Orient.

A few days ago a Baltimore negro voiced his opinion on the tariff when he said: "Just before the Underwood tariff bill was passed I was employed in a Baltimore hotel at \$3.50 per day. Soon after that bill was passed I, and a large number of other men, were thrown out of employment and the best that I could get for a long time was 70 cents per day. Yes sir, I know what the tariff means."

The New York Commercial gives a few specific facts, and states that it has two hundred more equally as pointed and interesting as to the question of the tariff and its relation to the cost of living.

German watches, costing 17.6c in Germany, were landed at New York, duty paid, at 22.9c, and were sold at retail by a New York merchant for \$1.00 each. The tariff did not shut out the German-made watch and the 30 per cent duty added very slightly to its cost, but the retail dealer made a profit of 335 per cent, as a difference between its cost delivered in this country, duty paid, and the price at which he sold it.

German clocks, costing \$1.70 in Germany, with a duty of 30 per cent, or 51c, have been imported in New York and sold

at retail for \$30, the retailer getting a profit of 1221 per cent. He took more than \$27 from his customer on a product that had cost him \$2.21, and this "helped to keep German factories busy" but shut down the American factories. The Commercial gives exact details as to the names of the retail dealers who handled these watches and clocks and their street locations in New York, and says that it can cite two hundred or more concrete examples similar to the ones quoted.

The farmers of the South raising peanuts and kindred oil-producing seed recognize that the only thing which has saved them from complete ruin is the increased rate put on their products by the present tariff, but the big soap-making concerns using these materials are doing their utmost to break down the tariff for their own individual profit and not for the welfare of the consumer.

A very large proportion of the sugar lands of Cuba are owned by the sugar refining companies along the Atlantic seaboard. If the tariff on sugar raised in Cuba should be still further reduced it would add directly to the profit of these refiners, who, by owing the sugar lands in Cuba, can put Cuban sugar practically at any price they desire, bring it to this country and refine it and sell it on the basis of the price which they have paid to themselves in Cuba and thus give the consumer no advantage whatsoever, by reason of any reduced tariff.

These are but a few of the many evidences which can be given without end as to the destructive power of a reduced tariff on the agricultural and industrial interests of this country.

We repeat what we have said so many times before—that the man who is seeking to break down this protective tariff seeks to impoverish the people of this country; to break down the American standard of living; to bring poverty to millions of people; to close thousands of factories and to reduce the market for the products of the farm.

An adequate protective tariff is the one outstanding feature upon which this campaign should be based. Mr. Coolidge stated the case in behalf of the tariff with exceeding clearness; Mr. Davis harked back to the free-trade fetish of the past, ignoring the changing world conditions which, to a greater extent than ever before, demand a high tariff for the salvation of our country from the destructive influences which are at work in the Orient and in Europe to flood this land with goods produced by labor costing anywhere from one-tenth to one-twentieth of the price of American labor.

He who fights an adequate protective tariff is fighting for the closing of factories, the breaking down of agricultural prosperity, the throwing out of employment of millions of people, and all for a wild theory which through the ages has been proven to be absolutely erroneous.

LARGER COTTON CROP.

BASED on a condition of 64.9 per cent August 16, the Agricultural Department forecasts a cotton crop of 12,956,000 bales of 500 pounds gross weight. Last year the production was 10,128,478 bales and two years ago 9,761,817 bales. The average production for the five years 1910-1914 was 14,259,231 bales and for 1915-1919 the average was 11,481,084 bales.

The Department calls attention to the fact that August is a critical month of the cotton crop, and the final outturn of the crop depends on developments during the remainder of the season.

DEFLATION AND WHO BROUGHT IT ABOUT.

Johnson City, Tenn., August 13.

Editor Manufacturers Record:

On the first editorial page of your August 7 issue of the MANUFACTURERS RECORD you discuss the matter of Federal Reserve Bank deflation and its party responsibility with Senator Robt. L. Owen of Lenox, Mass.

In your answer to him you try to show that deflation was brought about by the Democratic party, under the Wilson Administration, and that this party is responsible for such deflation. In making this charge you are certainly very much mistaken.

Deflation was inaugurated during President Wilson's Administration, while he was a very sick man, under the blasting influence of W. P. G. Harding, but it has been continued from day to day, down to the present hour, under the administrations of President Harding and President Coolidge.

Under these last two Presidents it has been carried forward daily, and the responsibility is wholly their own and that of the Republican party.

I shall prove this statement by the figures as given out by the Reserve banks themselves, as printed each week in the New York Times, which I have followed since the day said banks were established.

The Democratic party was responsible for all the deflation that took place while President Wilson was occupying the Presidential chair, and the two Presidents, Harding and Coolidge, are now responsible, along with the Republican party, for all deflation that has taken place since President Harding became President.

In your discussion of party responsibility and the quoted words of President Harding you fail to state that either of these three Presidents could remove at will every member of the Federal Reserve Board, and are now responsible for the acts they now commit.

The high mark of Reserve Bank circulation was on December 23, 1920, when it stood at \$3,404,931,000.

This was the Democratic year.

On January 7, 1921, Reserve Bank circulation (money) stood at only \$3,270,023,000.

The difference between the first figures and the above is what was deflated within a year during W. P. G. Harding's regime under President Wilson.

Next—Under President Harding it was reduced to \$2,411,058,000 on January 3, 1923.

Thus under him we had a cancellation of almost a billion dollars of good Reserve Bank, gold-secured money.

During the last year, under President Coolidge, the Reserve banks have cancelled \$337,854,350. (See statement New York Times of August 11, 1924.)

High total of Federal Reserve bank notes in circulation during 1921, on January 7, 1921, was \$3,270,023,000. Same, during the Harding and Coolidge Administrations, now (August 8, 1924) is only \$1,756,014,000, a difference of \$1,514,009,000. This is the amount that has been cancelled during the Administrations of Presidents Harding and Coolidge. Practically all Reserve bank money that has been cancelled has been during these two last Administrations.

President Harding did denounce this cancellation, but he failed to dismiss the men that did the cancelling.

President Coolidge, to the best of my memory, has never denounced the cancellation of this good Reserve bank money.

The highest point for gold held during 1921 was \$2,870,044,000. Yet on July 23, 1924, it was \$3,167,527,000, showing that while we have had a reduction of over a billion and a half dollars in Reserve Bank money during the Harding and Coolidge Administrations, these same banks held \$297,483,000 more gold now than during 1921.

If this doesn't show Republican responsibility tenfold, then I am blind as to the meaning of facts and figures.

I want to personally thank you for the great work, and the great good you have done in denouncing and showing the wrecking effects of deflation, as I have read no journal that so ably presented this damnable work as your own MANUFACTURERS RECORD, which I have read ever since the Reserve banks were established.

I only differ with you as to this deflation when you place the responsibility wholly on the Democratic party.

The Republican party is ten times more guilty. It is my honest opinion that Wall Street, as it is understood, absolutely dominates the management of the twelve Reserve banks, and that as they are now managed under President Coolidge they become the greatest damage to the country.

They have hundreds and hundreds of millions in gold that is simply "ear-marked," as they have "contrived," per their own statements, to hoard up, which is not loaned, and which

has no gold certificates against it, as they have so "ear-marked" every dollar that has come to us from Europe since last year.

As an example, they hold \$2,115,214,000 in gold "exclusively" to secure only \$1,756,014,000 of Federal Reserve Bank money.

I think that you owe Senator Owen and the Democratic party a correction as to your article of August 7, in which you place all blame on them.

I believe that you are a fair and honest editor and that you will print my answer to your said article. Then if you can refute the facts and figures that I give from the Reserve Bank statements, I would like to see them.

JAMES A. MARTIN.

Mr. Martin is, we think, greatly mistaken in some of the statements which he makes. We do not at all deny that deflation was continued too long, but the real evil was done in 1919 and 1920, for it was in that period that business and agricultural prosperity was destroyed.

Mr. Martin says President Harding denounced deflation but failed to dismiss the men who were responsible for it. We have no desire to lessen the responsibility of the Republican party for any deflation which existed under the Republican Administration, but we are quite certain that neither President Harding nor President Coolidge could under the law remove a member of the Federal Reserve Board merely for his views on inflation and deflation. It would be difficult, if not impossible, for the President to make such a removal merely on the ground that a member of the Board held financial views different from the President. Under such a decision the members of the Board could have no tenure of office beyond the will of the President, and that would mean a purely political scheme to be used at the whim of any President. The men who continued this deflation under the Republican Administration were appointed by President Wilson, but he could not have dismissed them if he had desired to do so. In this very fact is found an additional illustration of the tremendous power vested in the Federal Reserve Board.

From one of the best informed men in the country, who from its beginning has made a very close study of this deflation campaign and vigorously denounced it from the very beginning, himself a Democrat, we have the following:

"I do not see how Senator Owen will be able to answer what you had to say in the MANUFACTURERS RECORD. He seems to be crucified by his own words which you have marshaled in battle array against him.

"As a matter of fact, almost the first things the Republican Administration did was to overthrow Governor Harding's fiscal policy. President Harding had not been in office three months before the Federal Reserve Board announced a reduction in rediscount rates. I think this was some time in June, and you will recollect that the response in business was pronounced and immediate, although Secretary Mellon himself, either in a speech at Atlanta or in a letter to some one in Atlanta, had expressed doubt as to a reduction in rates having much effect in bringing Liberty bonds back toward par. I think the MANUFACTURERS RECORD had an article at the time, pointing out that Secretary Mellon was wrong in this and that the effect of lowering rates would be very quick to put Government securities back where they belonged, and the event fully sustained this view.

"Again, one of the outstanding theories of Governor Harding's policy was that Government securities of all kinds should be driven out of the banks. The policy of the Board since the retirement of Governor Harding has been directly opposite. It has been a very heavy purchaser of Government securities, and the reserve system is holding now, if I am not mistaken, a great quantity of short-term Government notes.

"The plain truth of the matter is that there is not now in the Democratic party, just as there was not five years ago,

any outstanding man capable of formulating a national fiscal policy. Moreover, they are so ignorant that when they have made a monumental blunder they seem sincerely unable to appreciate the fact, but go along on the hypothesis that the blundering of somebody other than themselves caused the catastrophe.

"It is my very firm conviction that were Mr. Houston or Mr. Glass Secretary of the Treasury today we would be having tight money instead of cheap money and we would be in the throes of despair. It might be worth while asking who would be Secretary of the Treasury in case Mr. Coolidge were defeated for election. We might have Pat Harrison or possibly Senator Owen himself. Senator Owen, it is true, attacked deflation, but he did it in a detached sort of way without any of the celestial fire breathing heart in his speeches. And yet he has the monumental gall to say in his letter to you that the MANUFACTURERS RECORD was the one publication "in America which vigorously held up my hands." Great Jehoshaphat! He never even knew there was deflation going on until he read it in the MANUFACTURERS RECORD. Then he got afraid to say anything because it might interfere with Democratic prospects in the election. As I recollect it, he did all his fighting before the San Francisco convention, and could not be got to say anything from then until November. I do not know of anything that would be more menacing to the welfare of the country than to have another ignoramus put in charge of the Treasury."

The MANUFACTURERS RECORD, instead of upholding Senator Owens' hands, was fighting "tooth and nail" against deflation long before Senator Owen had even waked up on the question. Upholding his hands! Well may our correspondent say, "Great Jehoshaphat!" We began the fight in 1917, saying if at the end of the war deflation should be undertaken it would mean business chaos, and we never let up on that line of argument. Senator Owen came into the game very late, and very tame at that.

WOMEN OPPOSING THE YOUTH MOVEMENT.

MRS. ANTHONY WAYNE COOK, president general of the National Society, Daughters of the American Revolution, in referring to the recent article in the MANUFACTURERS RECORD in regard to the "Youth Movement," writes:

"The article to which you have referred me is certainly very interesting and but helps to prove to us the great need for combating this 'Movement' which is taking such a hold upon our young people in the colleges and universities. It is difficult to understand the attitude of some of the presidents of these institutions. Certainly they are not the type which should be at the head of them.

"The National Society, Daughters of the American Revolution, is doing everything it can to combat this 'Youth Movement,' and with over two thousand chapters throughout the country I feel that our influence must bear some fruit ultimately. I am stressing this subject in all of my talks and messages to our members. We have a splendid body of women as state regents, all of whom are earnestly co-operating."

GO THOU AND DO LIKEWISE.

CHARLES W. HOWARD, manager of the Industrial Board, Chamber of Commerce of Chattanooga, in a letter to the MANUFACTURERS RECORD, referring to the "Blue Book of Southern Progress," writes:

"Just as soon as our schools open and get regulated slightly I am going to present to each of the high grade schools a sufficient number of copies of the 1924 Blue Book to make it possible for the information they carry to soak into the students."

SENATOR UNDERWOOD BEARS TESTIMONY ON THE TERRIFIC COST OF UNPREPAREDNESS.

United States Senator Underwood certainly ought to speak with authority on matters relating to the Great War. As leader of the majority in the Senate, he was the right-hand man and legislative chieftain to whom Woodrow Wilson turned. All matters of legislation were taken up with the Alabama Senator; the Administration's program was in his hands when it came to the necessary enabling legislation. No man could be better informed, nor more competent to bear testimony. And speaking before the Rotary Club Thursday, Senator Underwood, in expressing hearty approval of Defense Day, September 12, when the citizen defense of the country is to be tested on its ability to mobilize, said, as reported in the News, Thursday:

"The reason we were in the World War is because we were not prepared, and Germany knew we were not, and Germany believed we could not mobilize our citizenship in time to be of service," said the Senator, and recalled the months of preparation after the declaration of war in April, 1917.

"If the British fleet had not had control of the seas, tell me what would have happened to us between April and September. We did not even know when we declared war where we were going to mobilize our men and no camps had been decided on. And also bear in mind that we prepared under the rush of war. If we had prepared under peace, it might not have cost us half in lives and dollars and cents."

It was also pointed out by Senator Underwood that under the new defense act 87,000 volunteers had trained for officers and were ready for an emergency, and compared this with the other method of supporting a large standing army as Germany had before the war and as France has now at a great national cost, while the United States is preparing an army of its citizenry at a minimum of cost.

There is objection from the same crowd of pacifists who will not face the facts. There is objection from certain groups which are under suspicion of being influenced from beyond these shores. There is objection from those impractical persons who think that to be prepared means that we must embark upon a course of military swaggering. America has never gone in for that!

There are certain nationals in this country who would love to see this country helpless, defenseless, and unable to resist a swift, quick blow—and if there is another war that is the way it will start.

Politicians are pandering to the pacifists. Statesmen like Senator Underwood are telling the people the truth and encouraging them to be able to defend themselves should the occasion arise.

Until human nature is made over there is always the possibility of war. To be unprepared is to pay the price three times over again. And who can say what is in the mind of Trotsky, of Germany when she gets upon her feet again, of Japan and the yellow hordes of the Far East? If they were all pacifists we might sit and smile and contemplate a lily and everything would be all hunky-dory. Not being pacifists, we had better not invite them to attack us by giving them the idea that we would be as unresisting as rabbits.—*Birmingham News*.

Congratulations to Senator Underwood and the News, but Secretary of War Baker said he was glad we were unprepared for the war when we entered it. We wonder how he feels about these unnecessary deaths because of unpreparedness. And now John W. Davis and Governor Bryan denounce Defense Day. Do they, too, approve of Mr. Baker's position on unpreparedness and the deaths which followed as a result of it?

APPROVES TARIFF EDITORIAL.

N. C. BLANCHARD, president of the N. C. Blanchard Company of Harriman, Tenn., orders from the MANUFACTURERS RECORD fifty reprints of a recent editorial entitled "The Low Tariff Plank as Seen by Southern Leaders in Agriculture and Industry," and adds:

"We are heartily in accord with you on the tariff question, and would like to distribute this among some of our personal friends."

HOW TO SECURE BUSINESS.

Skinner Organ Company, Inc.,
Organ Architects & Builders for Churches, Auditoriums, Theatres
and Residences.

C. Asbury Gridley,
Southern Representative.

Greensboro, N. C., August 6.

Editor Manufacturers Record:

I have been intending to write you for some time to tell you folks how much I appreciate the MANUFACTURERS RECORD. I travel the South selling the finest grade pipe organ made and at the same time the highest priced. Now it costs a lot to travel in the South, but I venture to say that my expenses would be three times as much if it were not for the information I gather from the MANUFACTURERS RECORD. For from this good magazine I see each week just where conditions are best, and that is where I go. I get 80 per cent of my prospects from the MANUFACTURERS RECORD and I find it is far easier to sell a committee that has members who read the MANUFACTURERS RECORD, for they are bound to be up-to-date if they read it.

I just wish they had it in the schools and used it, for anyone that lives in the South and expects to grow with the South should use the MANUFACTURERS RECORD. I'll tell you what it does for me: When I am tired out and blue, I pick up a copy and before I am half through it I am raring to go again. As a traveling salesman I don't know how I would continue working without it. Keep the good work up.

C. ASBURY GRIDLEY.

Comment on the foregoing letter hardly seems necessary. The statements of Mr. Gridley, however, may be justly used to suggest how thousands of other people can use to advantage the information contained in the MANUFACTURERS RECORD and in our DAILY BULLETIN of construction news.

Many salesmen are following exactly the same line of hunting for news as that shown by Mr. Gridley. Some time ago the writer met in a Southern city a salesman for a large furniture house, who introduced himself and said that he was on his way to Palm Beach in order to work for a contract for decorating and furnishing a \$300,000 house to be built. "How did you happen to run on the information?" was the natural question. "I found it," was the reply, "in the MANUFACTURERS RECORD, which we carefully watch every week to see who in the South is going to build a house sufficiently large to justify us in trying to secure the contract."

In every line of machinery, in the printing trade, in the furniture industry and in everything else that pertains to business of every kind—banking, mercantile and manufacturing—the information to be found in this paper is always extremely valuable to those who have the energy and the initiative to rightly utilize it.

WORLD WHEAT PROSPECTS.

BASED on August estimates, the Agricultural Department reports that the world's wheat crop, compared with last year, shows an indicated reduction of about 12 per cent. The estimated wheat production of nineteen principal producing countries this year is 2,099,512,000 bushels, compared with 2,384,092,000 bushels produced last season.

A larger wheat supply and of better quality than last year is forecast for the United States, the increase being mainly in the Central States. Production last year was about 786,000,000 bushels.

Canada's wheat crop is estimated at 282,000,000 bushels, or 190,000,000 bushels below last year's harvest, though favorable weather of recent weeks may result in a larger final yield.

India is reported to have 20,000,000 bushels of wheat for export this year. The size of the coming rice crop, however, will have a considerable influence on the quantity of wheat exported.

Wheat production in England and Wales is estimated at

50,000,000 bushels, or 4,000,000 bushels short of last year's crop.

A less favorable outlook than hoped for earlier in the season for wheat is reported from the Balkans. The wheat crop of Hungary is estimated at about 54,000,000 bushels, compared with a crop of 68,000,000 bushels last year.

Russia expects to export some grain this season, but the total quantity is likely to be smaller than the exports of last season. Russia's export capacity is estimated at about 55,000,000 bushels of grain, or a total for all grains less than last year's shipments of wheat and rye.

The situation is uncertain in the Orient. Japan undoubtedly has a smaller wheat crop than last year, but there is likewise a smaller crop in the Pacific Coast states, whence the larger part of the exports of wheat and flour from the United States to Japan last year, were drawn. This fact, together with a definitely higher price level, will tend to retard what would otherwise appear to be prospects for a larger export to Japan. There are two distinct flood regions in China at the present time, according to best information available, one of which is in the northern part of the country, where wheat is an important crop. Wheat has already been harvested, but if flood damage is as severe as press reports indicate, considerable wheat still on the farm may have been lost. Full effect of the damage is yet unknown.

THE LIONS' CLUB OF CHARLOTTE STANDS FOR DEFENSE DAY.

THE LIONS' CLUB of Charlotte, N. C., in resolutions adopted on August 18, endorsed Defense Day and set its stamp of approval upon its proposed activities.

The way in which the governors of the Southern states and business organization and others are rallying to Defense Day, despite the efforts of the Socialists, the Anarchists, the Bolsheviks, the pacifists, the silly sentimentalists and the feminists, and all the other "ists" in the country who would mislead the nation, is greatly to their credit.

We wish every other organization in the South might see fit to pass resolutions similar to those adopted by the Lions' Club of Charlotte, which were as follows:

"Whereas, the President of the United States of America, by virtue of his constitutional authority, and as the commander-in-chief of the Army and Navy, by proclamation in solemn form, has duly declared and set apart the 12th day of September, 1924, as 'National Defense Day,' and in said proclamation called upon the American citizenship and the active members of the Army and Navy to carry out and observe in due form the orders duly issued to them by their superior officers for the protection and safety of the nation; and,

"Whereas, it is the solemn and imperative duty of all patriotic American citizens to obey constituted authority and do and perform the things duly commanded of them to be done; and,

"Whereas, reason, judgment and intelligent citizenship demand that the United States Government furnish and provide adequate and efficient police protection to safeguard the honor and integrity of the American Government, to insure protection to the lives of more than one hundred and ten million people, to provide adequate guarantee to our \$327,000,000,000 of property, three million square miles of territory, and further to safeguard three thousand miles of coast line, and protect the lives and property of our citizenship on high seas or wherever situate; now, therefore, be it

Resolved, That we, the members of the Lions' Club, in meeting assembled, this the 18th day of August, 1924, do hereby solemnly renew our pledge of allegiance to the American Flag and the Constitution, and, further, promise to observe and obey the orders of the President of the United States; and, further, hereby and herein call upon all good patriotic American citizens to honor the Flag and support the Constitution by strict observance of the orders issued for 'National Defense Day.'"

IT SHOULD MARK A NEW ERA IN SOUTHERN PROGRESS.

THE Atlanta Constitution, in heartily commending to the people of Georgia the proposed Southern Exposition, says:

"The Southern Exposition in New York is being sponsored by the MANUFACTURERS RECORD and leading bankers, manufacturers and business men generally in the South. It is purely an economic movement for the South's good. Georgia cannot afford to be out of it, and the legislature cannot afford not to make the small appropriation required for the purpose."

The MANUFACTURERS RECORD, has vigorously advocated the Southern Exposition, though no one connected with this paper is in any way whatever interested, financially or otherwise, in the Exposition. We believe that this Exposition can be made a tremendous power for the good of the whole South, and that the whole South should rally to it.

The Atlanta Exposition of 1881 marked the turning point in the general development of the South. Dating from that Exposition a new era dawned upon this section. What the Atlanta Exposition of 1881 did for the South, if backed up by the same enthusiasm of Southern people, will, we believe, be increased many times by the New York Exposition. The Atlanta Exposition had to draw people from other sections to the South that they might study its resources. The Southern Exposition in New York will push its way directly into the heart of the financial and industrial center of the country, and thousands will visit it for every dozen outside people who visited the Atlanta Exposition in 1881.

It is the best opportunity which the South has ever had to move boldly and boldly into the East and show the East what it has and what it is doing and what are its resources for future advancement. Any Southern state which fails to make an adequate exhibit at the Southern Exposition will, in our opinion, fail to utilize the best opportunity it ever had to advance its own prosperity and to show to the world what the South is and what it is doing.

ANNIVERSARY OF THE CONSTITUTION SHOULD BE GENERALLY OBSERVED.

THE American Educational Association, Philadelphia, Pa., has issued a fine, patriotic poster concerning the observance of the anniversary of the Constitution of the United States during the week of September 17, the publication being headed by a picture of Harry Fuller Atwood, president of the Constitution Anniversary Association of Chicago, author of "Back to the Republic," "Safeguarding American Ideals" and "Keep God in American History." It is pointed out that there is great need in America today to further a widespread observance of the anniversary of the Constitution, to stimulate a study of the discussions involved in its writing, adoption, interpretation and administration, to arouse a keener appreciation of its value and importance as an aid to solving present-day problems, and to bring about a clearer understanding of that great document for the general welfare of this generation and posterity.

Attention is also strongly directed to the fact that the discussions which culminated in the adoption of our Constitution and its early interpretation and administration were the most comprehensive and enlightening to be found in all the annals of governmental procedure; also that the people of this generation are not sufficiently familiar with those discussions to recognize their value, and consequently we have been drifting away from representative government toward direct action from individual rights toward socialism, from individual responsibility for individual conduct toward class consciousness, class agitation and class legislation, which

means drifting away from orderly progress and toward chaotic conditions.

"The Constitution," says the poster, "is deserving of the highest respect, the profoundest gratitude and the strictest observance from those who toil. It established equality of opportunity before the law, and made character and capacity the supreme test of promotion in every walk of life."

All this being true without question, it is more than ever important for everyone to observe the anniversary of the Constitution by giving some part of his spare time to consideration and study of it in order that it may be upheld by the citizens in its entirety and that it will be protected by them against the less dangerous assaults which would weaken its wise and patriotic balancing of authority throughout our Government for the safety and security of the life, the rights and the property of each and every individual in this great republic.

VICTORIOUS GERMANY.

HONORLESS, unrepentant and "defeated" Germany emerges from its war against civilization with the following advantages:

Billions of dollars invested and deposited in the United States and elsewhere.

The German people only slightly taxed, while Germany's victims groan under a burden of taxation.

German industry working at top speed, with virtually no unemployment among the people.

German farmers more prosperous than ever before.

Germany's manufacturing and shipping indebtedness wiped out by the depreciation of marks, and therefore in a position to underbid all other countries whose business interests carry a heavy indebtedness.

France and Belgium compelled to surrender the Ruhr region and to accept Germany's worthless word on reparations.

Germany's victims, the Allies, will loan rich and morally rotten Germany \$200,000,000, which well might be used in the various Allied countries.

Germany will pay 5 or 6 per cent on this loan, while France, Belgium and other nations were forced to pay 8 per cent.

Germany in the meantime uses all of these advantages in getting ready for the next war to which her people confidently look forward with eagerness.

The phrase "Peace without victory" has a hollow and an empty sound.

A QUESTION.

REFERRING to the editorial entitled "Irreverence" published two weeks ago, Charles Waggoner, 4148 Ellis avenue, Chicago, writes as follows:

"I am enclosing a clipping from the MANUFACTURERS RECORD and I would like to ask a question:

"Who decided that the Scriptures are the inspired message of the Almighty God to the world?"

"We Protestants adopted the Scriptures from the Catholic Church, throwing out some of the books as not inspired. Now, who among the Protestants made the decision?"

"If we accepted the Catholic Church's decision, then how can we deny that the Pope is infallible when that Church decides that he is infallible?"

"I am not a Catholic nor could I be one, but I cannot accept the teaching of election and foreordination that our friend Paul sets out in his letters. I do accept the teachings of Christ, and absolutely believe that if you and I and the other so-called Christians would even attempt to follow the teachings it would save the world, abolish war, poverty and all or mostly all of the other troubles of the world. But neither you nor I desire this, as our great desire is the accumulation of wealth, the prosperity of our country as against the rest of the world.

"I shall appreciate very much if you will give a definite answer to who decided that the Bible is the inspired word of God and reasons for accepting such a decision.

"I read your journal regularly and am of the opinion it is the best of its kind in the world."

A Menace to Our Nation Few Understand.

THE CHILD LABOR AMENDMENT AS SEEN BY A LEADING BOSTON ATTORNEY.

Boston, Mass., August 22.

Editor Manufacturers Record:

Your excellent editorial anent the proposed so-called Child Labor Amendment is timely and should be widely read.

May I, however, comment on one of your expressions? You say, "How thoughtful men and women studying this question can by any possibility favor such an amendment is beyond our power to comprehend." If your experience is anything like mine, you will find extremely few "thoughtful" men or women who have "studied" the question at all and fewer still who, when the matter is explained to them, look upon it with any favor whatever.

The Massachusetts Legislature recently provided for a popular referendum on the question of ratification, and in the November election the voters will be asked to say whether or not they favor ratification of the proposed amendment. I have yet to find a voter who, when the proposition was really understood, intends to vote "yes."

The difficulty is that the matter is not really well thought out—much less studied by the general public. The average voter hears the words "child labor" and hastily visualizes some poor little half-nourished waif working "somewhere" in a mill. He is against that kind of thing; he carries the impression that the proposed law is merely designed to stop such practice, and is ready (without further reflection) to vote for any amendment of anything to that end. His impulse is commendable. His reflective powers are deficient.

Ask such voter if he is willing or considers it wise or necessary to surrender to Congress (in the words of the proposed amendment) full "power to limit, regulate or prohibit" the "labor" of *his* children, boys and girls, under 18 years of age, and he promptly says, "Not by a — sight!" He says he supposed the thing was aimed at bad conditions in some other states.

Explain to him that the word "labor" is not restricted to "gainful occupations," but, "in the law," applies to pretty much every form of physical effort which is not recreation or play; that it includes all work, or "chores" about the house, nursing, cleaning, sewing, washing, gardening, farming, milking, driving or generally "helping" father mother or even himself, and I think you will see a look of wonder and astonishment on his face.

Ask him if he thinks that Congress would wisely be empowered to legislate that no boy under 18 should be allowed to "work his way" through the high school; that no boy of 17 could do any useful work to help his widowed mother or to learn a trade or even, if unhappily an orphan, to support himself, and I think your voter friend will say something like, "God!

is that the proposition? I didn't know that." If, perchance, he should say that, of course, Congress wouldn't do any such thing, and that nobody would want it done, ask him why a *power* should be conferred which the donee would never exercise and the donor would never want exercised! Why is the grant of the power asked?

Ask him if he appreciates that the "power to regulate" includes the power to make all kinds of restrictions and conditions, or, in this case, to provide that no minor under 18 shall be permitted to perform any labor of any kind, at any time, in any place, for anybody, "unless"! Unless what? Well, unless any one of a hundred things which a \$5,000,000 child labor bureaucracy in Washington might devise.

Ask him if he knows of any bad child-labor conditions in his own community or state.

Ask him if he does not appreciate that nearly all the states already have good laws of their own choosing for the protection of young children, and that in only a very few states is there any claim of "child labor" properly so called.

Ask him if he knows of the Socialist and Communist (Bolshevik) lobbying done on this proposition as disclosed by the Congressional Record of Saturday, May 31, 1924, or of the admission made that it went through the committee only because nobody objected.

Ask him if he knows what one of the backers of this kind of legislation wrote as reported in that same Congressional Record. It was as follows:

"We must nationalize the children. We must remove the children from the pernicious influence of the family. We must register the children or—let us speak plainly—we must nationalize them. Thus they will from the very start remain under the beneficial influence of Communist kindergartens and schools. Here they will grow up to be real Communists. To compel the mother to surrender her child to us, to the Soviet State, that is the practical task before us."

Ask him if he believes that such sentiments belong under the flag of the United States.

Ask him if he believes in "nationalizing" the children of the United States.

And, finally, ask him if he does not believe we have done, and are doing, pretty well under the United States Constitution as it is, with all powers of determination as to our purely social and domestic matters reserved, as therein provided, to the several states and therefore should be *very, very* careful how we make any radical changes.

Ask him these questions and I can't doubt the result.

FELIX RACKEMANN.

Ames Building.

Why Georgia Defeated the Child Labor Amendment.

FACTS FOR CAREFUL STUDY BY ALL OTHERS IN AND OUT OF LEGISLATURES.

By J. H. REED, Atlanta.

The overwhelming defeat of the Child Labor Amendment at the hands of the Georgia State Legislature has resulted in a great deal of undeserved criticism of that body, and it is only fair that the reasons for this action be made public property in order that some of these critics may know just why the amendment was defeated.

When brought before the Georgia Legislature it was defeated in the Senate by a unanimous vote and in the House by a vote of 170 to 3—overwhelming enough, it would seem, to suit even the most skeptical.

One is led to infer that there was something radically wrong with the amendment to bring it such rough treatment, and there was.

Here is the text of the Twentieth Amendment. Note it carefully:

"Section 1. The Congress shall have power to regulate and prohibit the labor of persons under eighteen years of age.

"Section 2. The power of the several states is unimpaired by this article, except that the operation of state laws shall be suspended to the extent necessary to give effect to legislation enacted by Congress."

This amendment means, first, that it would give Congress absolute control over the youth of the different states. It would be empowered to say who should and should not work, what the educational requirements should be for each person, whom young people should work for and what they should receive.

In short—it would take away from the parents the right to educate and control their children and vest it with the Federal Government.

The idea underlying it is an old and familiar one, but for the benefit of those who haven't encountered it before it may be well to explain.

It comes from Russia.

It has been the constant effort of the Bolshevik Government to wean the children away from their parental control and train and educate them under the control of the state.

The home means nothing to Red Russia. It has done everything within its power to break down the home as the unit of civilization and place the state in its place. It would like to do that in the United States.

Russia has great hopes of bolshevizing the United States. They have a well-organized political ring here working with that end in view. And this measure emanated from Russia and was introduced in Congress as an entering wedge.

It was introduced by a Socialist member and has received the support of the socialistic and anarchistic elements of society all over the country.

It is nothing more than a clever piece of bolshevistic propaganda masquerading under the guise of a progressive measure.

That's one reason why the Georgia Legislature defeated it so unceremoniously. It happened to be in possession of the real facts in the case.

The amendment means, further, another encroachment of central states. For years the Federal Government has been encroaching upon states' rights. Where the control of the Central Government was only intended originally to extend over defense, foreign relations, commerce, coinage and the postal system, it has, little by little, gained the upper hand, until now there are scarcely any rights left to the states.

The income tax measure is typical. Intended originally for use only in time of war, the Federal Government used it promptly for a continuous source of revenue. It was a surrender that the states have paid for dearly.

The Nineteenth Amendment is another measure wresting away from the states a part of their inherent rights. And the Twentieth Amendment, this Child Labor Amendment, would, if passed, wrest away from the several states still more of their few remaining rights. It would weaken the states by taking away from them the right to control the labor of youths within their domains. And it would strengthen the Federal Government by giving it absolute control over the education and working conditions of children and youths.

Note this, the amendment says "eighteen years of age." In no state of the union does the age limit run so high. Any boy or girl who reaches the age of sixteen at the present time can work at any trade if he or she wants to.

The limit is made arbitrarily and without the slightest regard for the natural conditions of labor in the different states that will be affected by it.

The people of these United States do not want to relinquish their state rights any further to the Central Government. They feel that they have gone too far now. The Government, which in Revolutionary times was in danger of falling apart because of the great power of the states, is now at the other extreme. It is in danger of being crushed to death by imperialism.

The danger is very real and very imminent. And in refusing to consider this amendment the Georgia Legislature felt that the time had come to call a halt—and that this nefarious measure offered the opportunity to step on the brakes.

You cannot put a new department into the Federal Government without a vast expenditure of money. In anticipation of the passage of this amendment plans have been drawn up for a Federal Department of Education.

And this Department of Education will only ask for \$100,000,000 on which to start—if the amendment is passed!

Where is the money to come from?

It doesn't know, and apparently it doesn't care. The Federal Government always has had all the money it wanted to spend. It probably always will have.

The passage of the Twentieth Amendment would be the signal for the employment of another army of workers in Washington. Statistics would have to be gathered. An educational system would have to be provided. Officers would have to be supplied to enforce the regulations.

Provision would have to be made for the support of those who could work but whom the Government would not allow to work.

Do we want this army on our hands?

Do we want this additional and totally unnecessary expense?

Those are the questions the members of the Georgia Legislature asked themselves. And the answer was a virtually unanimous "No."

That's another reason why the amendment was defeated in Georgia. The State Legislature did not feel that this was the time or the occasion to burden the people with any more taxes.

These three features alone were enough to kill the amendment.

But the advocates of the amendment went before the legislature with the pitiful plea for the "million children at work in our country." It sounded very plausible. It might have worked had not some hard-boiled member secured a 1920 census. Then he began to find things out. It was true, there were 1,060,858 children reported at work in the

United States at the time the census was made. But he didn't stop there, which was a pity for adherents of the amendment. He found that there was a total of 12,502,852 children registered in the census, and that the number working was less than 10 per cent. Then he took up an analysis of the work being done by children.

Out of the million some 600,000 were employed in agricultural pursuits. But he discovered 500,000 of these worked on the farms of their parents, so that didn't mean anything.

Turning to the other 400,000 children at work, he found that most of these were newsboys. At or about that point the Georgia Legislature lost its sympathy for the poor little working children. Probably the pages were classed as working children, too.

An investigation of the work done in the different states showed that 22 states made examination by a physician mandatory before a child might be employed, 28 prohibited the employment of boys in mines until they reached the age of 16, 29 states enforced a 48-hour week and an 8-hour day, and three states prohibited night work for children under 14, and 42 states had passed mother's pension laws between 1910 and 1920.

In other words, the progress made by the different states in handling child labor was nothing short of remarkable, and the figures showed that while the number of children had increased 1,500,000 in the ten-year period, there were 900,000 fewer at work. That proved to be the last straw.

Not only was child labor shown to be almost a negligible factor in our labor conditions, but it was shown to be decidedly on the decrease.

It was conclusively proven that there was no need for a Federal law on the subject. The states were already safeguarding the health and education of their children.

Whatever the Georgia Legislature did or did not do at its last session, it deserves full credit for the way in which it handled the Child Labor Amendment.

Bolshevism will not get a start in these United States if the vote of Georgia can help prevent it. The state may be behind times, but it congratulates itself on its ability to distinguish progressiveness from Red Radicalism, which is more than some states of the Union seem able to do.

Contract for \$500,000 Building at Wheeling.

Wheeling, W. Va.—General contract has been awarded to the R. R. Kitchen Co., Wheeling, by the Central Union Trust Co. for the erection of its proposed \$500,000 bank and office building in this city. The structure will be ten stories and basement and will contain 180 offices. It will be equipped with high-speed elevators. In addition to the general contract, other awards have been made as follows: Structural iron work, J. E. Moss Iron Works; plumbing, Steam Electric Engineering Co.; electrical work, Felsing Electric Co.; hardware, Henry Kalbitzer & Son, all of Wheeling; heating, W. J. Scholl Co., Youngstown, Ohio. C. W. Bates of Wheeling is the architect.

Refrigerating Engineers to Meet.

The Fifteenth Annual Convention and Exhibition of the National Association of Practical Refrigerating Engineers will be held at New Orleans, La., on November 11 to 14, with headquarters at the Roosevelt Hotel. The announcement of the meeting states that engineers operating refrigerating machinery in any of the more than 215 industries now using mechanical refrigeration will be cordially welcomed, whether members of the association or not. Plant owners and executives are also especially invited. Meetings will be held in the main building of the Isaac Delgado Central Trade School. Further information may be obtained from Edward H. Fox, secretary, 5707 West Lake street, Chicago.

PROSPEROUS TIMES AHEAD IN GEORGIA.

\$337,000,000 the Estimated Value of This Year's Crops.

Atlanta, Ga., August 18.—[Special.]—Georgia's crops will bring in \$100,000,000 more this year than last, and Georgia will jump from eighteenth place among the states of the Union to fifth or sixth place in point of value of agricultural crops if the latest estimates of the United States Department of Agriculture hold good until all of the crops are marketed.

The latest estimate of Georgia's crop value this year is placed at \$337,942,000, as against the actual production for 1923, the value of which was \$236,000,000.

The state's cotton crop is estimated at 1,080,000 bales, worth approximately \$152,280,000. The corn crop is given as 59,256,000 bushels, worth in the neighborhood of \$76,000,000. And the sweet potato crop will run to more than 10,000,000 bushels, worth, at a conservative estimate, more than \$13,000,000.

The following table shows the probable production and value of some of the state's leading crops this year:

Crop.	Production.	Value.
Cotton, bales	1,080,000	\$152,280,000
Corn, bushels	59,256,000	76,440,000
Cottonseed, tons	542,000	22,764,000
Sweet potatoes, bushels.....	10,549,000	13,713,700
Hay, tons	661,000	13,220,000
Peaches, bushels	7,568,000	11,552,000
Peanuts, pounds	122,930,000	7,990,450
Tobacco, pounds	23,630,000	5,907,500

Georgia farmers have enjoyed the best year they have had in a long time. Crop conditions now, for example, are at 108, while at the same time last year they were at 54, a good indication of how things stand.

With a good crop of cotton and corn already assured, and with diversified farming more in vogue than ever before in the history of the state, it looks as though prosperity was due to return to Georgia this fall.

The World's Ocean Tonnage.

According to statistics just published by Lloyds, the gross tonnage of seagoing steel and iron steamships and motorships owned by the principal maritime countries in June, 1924, amounted to 57,530,000 tons, comparing with 42,514,000 tons in June, 1914, an increase of 15,016,000 tons. According to advices received by the Bankers' Trust Company of New York from its English Information Service, the Lloyds report indicates that this steel tonnage is exclusive of 1,500,000 tons of wooden and composite steamers in existence at the present time. These figures are excluded from the comparison because of their comparatively small importance in international trade. Gross tons of seagoing iron and steel ships operated by the United Kingdom in June, 1924, were 40,000 tons greater than the amount operated in June, 1914, the present tonnage being 18,917,000. British dominions show an increase of 806,000 tons.

The greatest increase, amounting to nearly 10,000,000 tons, is shown in the case of the United States, our tonnage having increased from 1,837,000 in 1914 to 11,823,000 in 1924. Notwithstanding recent increases in the tonnage owned in Germany, the compilation shows that Germany's tonnage at the present time is 2,242,000 less than in 1914, at which time its tonnage was 5,098,000, comparing with 2,856,000 today. The only other maritime nation showing a decrease from the 1914 condition is Greece, whose tonnage has fallen off 69,000 tons from 820,000 tons in 1914 to 751,000 today.

In 1914 the United Kingdom owned nearly 44½ per cent of the world's seagoing iron and steel ship tonnage. At the present time it owns 33 per cent. The United States now takes second places, its tonnage amounting to 20.5 per cent of the total.

[From the Western Recorder of Louisville, Ky., a leading religious paper.]

Is War Always a Crime?

By RICHARD H. EDMONDS, Editor MANUFACTURERS RECORD, Baltimore, Md.

This article was not written by Mr. Edmonds with the Western Recorder audience in his mind. But, owing to certain circumstances, he has forwarded it to us. We agree with Mr. Edmonds in his major contention that war is not to be gotten rid of in this world by voting one's disapproval of it or by any kind of intellectual and spiritual conjuring. When certain leading religious bodies in America have gone the length of "outlawing" war by a formal vote, it seems that the time has come when silence and patience are no longer virtues in this connection. No one thinks of stopping brigandage or chicken stealing by a vote "outlawing" them. Christian idealism can make itself a very poor spectacle when it is "short" on the Christianity and "long" on idealism. Mr. Edmonds' "punch" is partly because he feels deeply, and partly because the article was primarily composed for the MANUFACTURERS RECORD, that always has a forthright swing.—Western Recorder Editorial Note.

Sweeping over the land, led largely by ministers of the gospel, weak-kneed pacifists, sentimental theorists, and active and aggressive bolshevistic agitators who desire to overturn the American Government, is a definite propaganda to create the impression that wars are never justified; indeed, that all wars are criminal and that they never settle anything aright, but only intensify human woe and sufferings.

If this doctrine were true, then the American Colonies were guilty of great criminality when they declared their independence of British rule and fought for seven years against overwhelming odds to break loose from the old country and establish this Government. That war, according to the teachings of this new doctrine, was an unholy war of criminality which should never have been fought. Washington and other men who stood by him through that long struggle were criminals under the doctrines which are now being taught. Are the leaders of this propaganda ready to go that far in their claim that all wars are criminal?

On the contrary, are we not fully justified in the belief that the Colonies were divinely guided to wage that struggle for freedom that this country might become what it is to-day, the world's leader in many lines of human activities, the world's leader in religious and civil liberty, the world's leader in governmental affairs and in holding aloft to all the world the standard of the conditions existing here, and thus stimulating all other nations, slowly it may be, but surely, to climb out of the conditions of the past with starvation wages for their working people and follow the example of this country with a living wage doctrine for every man who works?

If all wars are criminal and do not settle anything aright, how will these propagandists of peace-at-any-price explain the War of Independence fought by Texas to break loose from the domination and the curse of Mexican rule? By that war a vast empire was wrested from the domination of Mexico to become a great factor in American development and a tremendous religious force for the good of the world, the home of millions of happy, prosperous, God-fearing people in contrast with the conditions still existing in Mexico.

Was the Texas War of Independence a crime which settled nothing aright?

We had four years of civil war between 1861 and 1865, based largely on the question of human slavery as one of the dominant factors in the states' rights problem. That war freed four million black men and broke the chains which had enslaved the whites of the South to a greater extent even than the blacks were enchained. It meant the final doom of slavery in the world, and it held this country in one Union as against disunion. It saved us from becoming Europeanized with the hatreds which have existed through the centuries, and made us for all time to come one nation, and the people of the South are rejoicing in this as freely as do the people of other sections. The questions settled by that war could not have been settled by arbitration, nor in any other way than by the arbitrament of the sword.

Was that war a crime? And if so, were Lincoln and Robert

E. Lee and Stonewall Jackson, and other great leaders on both sides, criminals? Or were they men of the highest type, of religious convictions, standing for the right as they saw it, regardless of the consequences to themselves?

If all war is a crime, what shall we say of the war which freed Cuba, the gem of the islands of the world, from the domination and destructive power of Spain, giving freedom to that land?

Was that war a crime?

If all war is a crime, were France and Belgium and England guilty of criminality when they stood on the battlefield facing at terrific cost of life and money the accursed armies of Germany fighting to overrun the world with barbarism and atheism?

Was the United States a criminal when, at the call of President Wilson, who stated that Germany was making war on us, we joined the Allies not only for the purpose of saving civilization in Europe, but for saving ourselves from the destructive power of Germany?

Had Germany been permitted to win that war it would have dominated and looted the world. In the Providence of the Almighty, Germany's hand was stayed, its ruthless destruction halted. Its efforts to dominate and control the world was frustrated by the power of war.

Was this fight for civilization a crime?

Bishop Quayle of the Methodist Episcopal Church, denouncing some of the efforts of these peace-at-any-price propagandists, said that if we had not entered that war all the world today would be in hell; and it may be added that that hell would have been of German making.

To men of ordinary sanity who have enjoyed the blessing of living in this country, who have realized that its very existence was brought about by war, it seems impossible to comprehend the propaganda to the effect that all war is a crime and that all problems can be solved by arbitration. Such people have no right to ask this Government to protect them in person or in property. They have no right to enjoy the boundless blessings which have come to us by the establishment of this Government. They deny the very thing which has made possible the unequaled advantages which this country offers to its people as compared with every other country in the world. They might as well demand that all police forces should be abandoned on the theory that if there were no police there would be no criminals, for that is on exactly the line of the argument which they advance if there were no armies or navies there would never be a war.

Once in a while there sweeps over this land some mob-mind spirit in which men and women are carried away with some sentimentalism or some narrow view of great problems, religious or civil, which almost justifies the statement once credited to Mr. Edison that only two per cent of the American people really think.

If these peace-at-any-price propagandists, these pacifists, these men and women who demonstrate that they have not thought the problems through, these bolshevistic agitators who, boring from within, have planted their doctrines in the

minds of many unthinking people and found a soil ready to produce an abundant harvest of false doctrines, will prove that the War of Independence was a crime, that the Texas War of Independence was a crime, that the Civil War was a crime, that the War to free Cuba was a crime, that the war of the Allies and the United States to save the world from German barbarism and atheism was a crime, then indeed, might they have some ground to continue their work. But until they can prove that all of these wars were crimes they are criminally false to their country and to civilization.

Good Tobacco Crop at Splendid Prices Puts Boll-Weevil Pessimism to Rout in South Georgia.

Atlanta, Ga., August 19.—[Special.]—Tobacco sales in Georgia at the close of the first eight days of open marketing total 9,754,600 pounds, according to official figures given out by the warehouse managers of the eight leading markets of the state.

An average of 23.04 cents a pound has been paid for the tobacco sold thus far, and tobacco experts say the average will be raised to 25 cents a pound before the season closes. This is due to the fact that growers have flooded the markets with their lowest grades, holding their better grades for later in the season.

Estimates by warehouse managers are that 40 per cent of the crop has been sold, leaving some 15,000,000 pounds of leaf to fall before the gavel of market auctioneers before the market closes.

The following table shows sales and the average price obtained on the leading markets of the state:

Market.	Sales. Pounds.	Average price per pound. Cents.
Fitzgerald	1,000,000	24.56
Douglas	1,100,526	23.74
Valdosta	1,449,000	24.00
Hahira	1,199,054	23.00
Blackshear	2,451,532	21.44
Vidalia	1,000,000	25.00
Camilla	500,000	23.00
Tifton	1,054,488	21.60
Total	9,754,600	
General average		23.04

Farmers throughout the bright-tobacco belt are busy liquidating debts of long standing as a result of the good crop and the splendid prices being obtained, and a general air of prosperity prevades the tobacco section of south Georgia such as has not been present since the advent of the boll weevil.

The Cotton Industry of Arizona.

Roadside Mine.

Tucson, Ariz., August 11.

Editor Manufacturers Record:

Referring to your inquiry about cotton growing in Arizona, I learn from the Chamber of Commerce the following regarding Arizona cotton:

1923, total acreage cotton in Arizona.....	128,000
1924, total acreage cotton in Arizona.....	179,400
1923, total production cotton in Arizona..... bales	77,500
1924, total estimated cotton in Arizona..... bales	108,000
1923, Pima county acreage cotton in Arizona.....	4,200
1924, Pima county acreage cotton in Arizona.....	7,400

Tucson is in Pima county. The cotton originally grown here was long staple. This has now been practically abandoned in favor of Acala upland. Hardness and toughness of staple of this grade produced in this climate results in its receiving a premium of 2 cents per pound over the market. Picking last year cost $1\frac{1}{2}$ per pound. This year it will be higher. Pickers are Mexicans, mostly introduced under bond for that purpose, and returned after harvesting the crop. Picking begins the latter part of September and is finished by the end of October.

COURTENAY DE KALB.

Twelve-Story Office Building at Tampa to Cost \$1,500,000—Plans in Preparation.

Plans have about been completed for a twelve-story building to be erected at Tampa, Fla., by the Florida Mortgage, Title & Bonding Co., Charles H. Brown, president, at a cost of



\$1,500,000 BUILDING TO BE ERECTED BY FLORIDA MORTGAGE, TITLE AND BONDING CO., TAMPA.

approximately \$1,500,000. The building will be located at Franklin and Lafayette streets and will be of brick, concrete, steel, stone and tile construction. It will contain about 200 offices and suites and will be provided with a spacious roof garden. The lower floor will be occupied by the Bank of Commerce. B. C. Bonfoey & Co. of Tampa are the architects.

Work to Begin on Speedway and Grandstand.

Pineville, N. C.—Work will soon begin on the speedway to be erected here by the Charlotte Speedway, Inc., Charlotte, of which B. D. Heath, Jr., is secretary and treasurer. Plans for the grandstand, drawn by N. T. James, civil engineer, Charlotte, call for a seating capacity of 25,000. Space will be provided in the infield to accommodate from 75,000 to 100,000 more persons.

Construction will be handled by the Prince Auto Speedway Construction Co. of Los Angeles, Cal., with L. C. Applegate in charge of details. Fred M. Johnson is the general manager in charge of construction, while Osmond L. Barringer of Charlotte will be general manager of the speedway. The Triplett Lumber Co. of Charlotte has been awarded contract to supply 4,000,000 feet of lumber for the project.

The Aluminum Industry Trend Is to the South.

THE STORY OF ITS DEVELOPMENT TO THE POINT WHERE IT REPRESENTS \$150,000,000 OF INVESTMENT, WITH ONLY MODERATE EARNINGS, NEARLY ALL BEING REINVESTED IN DEVELOPMENT WORK.

[The pioneering spirit of Americans, which in a relatively brief time developed a great country where formerly a wilderness reached from sea to sea, has turned its energies to the development of great industries, in whose records are frequently found romances as thrilling as the records of those earlier conquests of rich valleys and forbidding mountain ranges. One of the most striking of such achievements is the record of the aluminum industry in the United States. A brief history of this industry is here given as being of particular interest to the readers of the MANUFACTURERS RECORD, due to the fact, that the industry is turning to the South where the Aluminum Company of America has already invested many millions of dollars in order to find the opportunities for the further expansion which its rapid growth demands. That the men who have created this industry have kept on pouring new money into it, with dividends averaging only 2 per cent a year, shows the courage and faith of great capitalists when they undertake to create a new industry. Is it courage and grit of this kind, backed by big capital, which has made possible our enormous industrial development, with its limitless value to the people generally.—Editor MANUFACTURERS RECORD.]

Aluminum, the silver-white metal of extreme lightness, familiar to everyone, is the most common element in nature with the exception of oxygen and silicon. Although about 8 per cent of the earth's crust is aluminum and it is twice as plentiful in nature as iron, occurring in many minerals, clays and earths, nevertheless it can be extracted only from a single widely-scattered and generally little-known mineral called bauxite, and can be extracted from that mineral only at great expense. A process for economically extracting aluminum from common clay has long been sought and research chemists are constantly working on such a process. In these days of scientific achievement it is not improbable that a process may be perfected at any time by which it will be possible to obtain metallic aluminum from every clay bank. Copper, iron, zinc, lead and tin have been known and commercially used for hundreds of years and their history parallels the history of civilization. Aluminum, on the other hand, is peculiarly interesting, because it has become known to commerce and has developed into one of the most useful of the commercial metals within the last 35 years.

The presence of the element, aluminum, in the earth's crust was known to scientists for many years before it was actually isolated and obtained in metallic form. The first man to extract aluminum, although in minute quantities, was a German chemist named Wohler, in 1827. In 1854 a French chemist named Deville produced enough metallic aluminum to determine its principal characteristics, but at so great a cost as to confine its use to jewelry or similar purposes. Recognizing the unusual and valuable characteristics of aluminum, chemists all over the world sought methods of extracting it that would permit the metal to be produced in such quantity and at such cost as to allow its general use in commerce. In the end, a young American, Charles Martin Hall, made the momentous discovery, in the year 1886, that has given aluminum to the world. He was only 22 years of age at the time and still a student at Oberlin College, Oberlin, Ohio. Mr. Hall applied for a patent covering his discovery in 1886, but the patent did not issue until 1889. It expired in 1904.

In 1888 Mr. Hall associated himself with some other young men in Pittsburgh, Pa., and formed the Aluminum Company of America. This group of men are the pioneers in the aluminum industry of the world and, except as death has thinned their ranks, they and their company have developed aluminum in the short space of 35 years from a laboratory metal into one of the most important metals of everyday use. It was under the guidance of these men and their company that aluminum in the United States was reduced in price from \$8 per pound to 25 cents per pound, and the uses of aluminum were developed and extended to such a degree that it is now a ne-

cessity of civilized life. In the year 1888 there was no consumption of aluminum at all. Today the world consumes 250,000,000 pounds per year. That this great accomplishment in the field of metallurgy should have been brought about within so short a space of time constitutes one of the most dramatic chapters in the history of industry.

The manufacture of aluminum is a very involved and expensive process, which explains why its commercial production eluded the grasp of scientists for so many decades after other metals had become commercially indispensable. There are two major steps in its production. The first is an elaborate chemical process, and the second an electrolytic process. By the chemical process the oxide of aluminum, known as alumina, is manufactured. Alumina is a fine, white powder of much the same appearance as cooking soda, and is recovered from bauxite with the aid of coal, limestone, common salt and elaborate chemical machinery. The second process consists in the reduction of metallic aluminum from the alumina, which is done by an electrolytic process with the aid of cryolite, fluorspar, carbon electrodes and hydro-electricity.

Mr. Hall's discovery could not in itself have placed aluminum among the common metals unless a mineral had been available containing a high percentage of the metal and a low percentage of impurities. Such is the mineral bauxite, which was discovered in the southern part of France in the year 1821. Strangely enough, however, although bauxite is found in abundant quantities in France, South America, Asia and Africa, it occurs in the United States, the country of Mr. Hall's nativity, only in comparatively limited quantities in Georgia, Alabama, Arkansas and Tennessee. The other raw products necessary for the manufacture of aluminum are coal, limestone and salt, which are abundant in many places; fluorspar, obtainable in Kentucky, Illinois, Colorado, England and South Africa; cryolite, which comes from Greenland; carbon electrodes, which are a product of manufacture; and cheap and abundant hydro-electricity, such as is afforded by the vast water powers at Niagara Falls, on the St. Lawrence River and in the mountains of North Carolina, whose vast water powers, as yet only partly developed, guarantee the future of this section as a great manufacturing district.

Aluminum is principally the product of labor. A ton of aluminum has a value in excess of \$500. The raw products, unimproved by labor, required to produce this ton of aluminum are worth not over \$25. The bauxite, least valuable of any, must be mined, treated, transported and put through an elaborate chemical process; the coal must be mined, transported, and its energy turned into steam; the limestone must be quarried, transported and treated; common salt must be mined and undergo an extensive chemical process to produce soda ash; cryolite is mined in and transported all

the way from the Arctic Circle; fluorspar is mined at considerable hazard and expense and highly treated; carbons are the product of elaborate manufacture, using as raw products materials which have progressed through other stages of manufacture in the coal tar and oil industry; the hydro-electricity is practically all labor, since it represents the harnessing of water. The difference, therefore, between the value of the raw products and the value of the ton of aluminum is labor, and far more than any other commercial metal aluminum is the handiwork of labor.

The establishment of this metal in its present commercial position in the United States within the short period of 35 years by a small group of men is an industrial romance which arouses admiration and further interest. The Aluminum Company of America, formed by Hall and his associates in 1888, found itself possessed of a process for making a metal whose chief characteristics only were known, but with no market or uses for the metal. Their double problem, therefore, was to produce this metal cheaply enough so that it could be used commercially and to find the commercial uses in which it could be employed, and this they have done. There were no plants for the fabrication of aluminum, nor was anyone interested in establishing such plants. These men, therefore, had to establish rolling mills to roll the sheet, foundries to make castings, tube mills to draw tubing, wire mills to draw wire, and other plants where the new metal could be manufactured; then learn how to manufacture the new metal, and thereafter find uses in which the manufactured product could be marketed. Unlike copper, aluminum had not been drawn and shaped for thousands of years. Unlike lead, it had not been an important aid to civilized man. Unlike iron, its strength and utility had never been determined and proved. These pioneers learned how to draw it and shape it, showed industry where it could be utilized to advantage, and reduced the cost of its manufacture from the impossible price of \$8 a pound to the present price, which puts it within reach of all branches of industry.

The crude ingots which are produced in the electric furnace are manufactured into sheets, tubes, wire of all sizes, rods of all shapes, mouldings, electrical conductors, cables, castings of various kinds, cooking utensils, containers in the chemical industry, foil for the wrapping of candies, tobacco, etc., tubes for toilet pastes, seals for bottles, paint pigments and many other things too numerous to mention. Aluminum enters into practically every industry, particularly the automobile industry, the electrical industry and the household machinery and utensil industries. Aluminum is an absolute essential to the airplane, and without it mankind could never navigate the air. In time of war it stands out as a conspicuously essential metal, second to none, since its lightness reduces the burden of the soldier as effectually as its lightness and strength make possible the flight of the airplane and airship.

The production of aluminum was undertaken in Europe shortly after it was started in America, and has progressed as an art almost parallel with the American production. In Europe, however, the conditions for production are particularly favorable. Bauxite is more abundant in southern France than in any other known locality in the world, and of much better quality. Coal, limestone and water power are all to be found in proximity with the bauxite. In America, the bauxite is transported 400 miles to the plant which refines it. The resulting alumina is transported from 600 to 1200 miles to the point where hydro-electricity is available. The labor of transportation entering into American production of aluminum is, therefore, enormous. In France, the principal aluminum-producing country of Europe, the majority of the raw products have to be transported less than 200 miles. The labor of transportation for the European manufacturer is, therefore, only a fractional

part of the same cost to an American producer. The wages paid by the European producer have always been approximately one-half the wages paid in America. The European producers have, therefore, always been able to change their conveniently located raw products into the highly wrought form of aluminum at a much less cost than an American producer.

The abundant supplies of the necessary raw products in Europe have resulted in the establishment of aluminum-producing plants with capacities approximately four times greater than the European demand. This excess capacity has always been intended for exportation to the United States, whose consumption of aluminum is greater than that of all the balance of the world. This excess producing capacity of Europe, therefore, coupled with their lower cost of production, has enabled European producers to set the price of aluminum the world over. Had America not been protected by a tariff, it could never have produced aluminum in competition with foreign importations. The importation of foreign aluminum into the United States and the domestic production for the last four years have been as follows:

	Importations. Pounds.	Domestic Production. Pounds.
1920	39,298,649	138,042,000
1921	32,559,017	54,532,000
1922	43,963,882	73,633,000
1923	42,679,390	128,658,000

Beginning in 1888, with an investment of \$20,000, in a small plant 20 feet by 100 feet., with a daily capacity of a few pounds of aluminum and employing five people, the Aluminum Company of America has grown into a great corporation with an investment of \$150,000,000 in more than twenty plants, having a capacity of 170,000,000 pounds per year, and employing 20,000 people. Its payrolls aggregate \$24,000,000 per year, and its taxes, municipal, state and Federal, are \$3,200,000 per year. Its financial growth has been based on the policy of turning back into the business most of the profits realized, which is merely compounding capital as interest is compounded. During its existence, contrary to some misinformed opinion, its profits have been small. On the best authority it was learned that these profits have averaged approximately 12½ per cent per year on the invested capital. Of this small profit the stockholders have taken slightly more than an average of 2 per cent per year in dividends and put the remaining 10½ per cent back into the business.

The industrial world has profited by this wise and conservative policy, which is a sufficient refutation of any charges of exorbitant profits to the stockholders of the Aluminum Company of America. By reason of having been the sole producer of aluminum in the United States, the company has been charged with being a monopoly. During the life of its patent, such monopoly as it enjoyed rested upon the patent system of the United States. The rewards during this period of patent protection were slight, because of the high cost of production and the small consumption of the new metal. For the last 20 years anyone could have engaged in the production of aluminum who cared to embark in so hazardous and meagerly lucrative a business. During that period the Aluminum Company of America has had no control upon any raw product or patent which would have prevented others from freely engaging in the production of aluminum, but its wise and (to the country at large) beneficial policy of selling at small profits has undeniably resulted in its being the only producer of aluminum in the country, so that it can be accurately said that the history of the Aluminum Company of America is the history of the aluminum industry in the United States.

Few industries in the United States are more conspicuously typical of American progress than this one. It has achieved leadership and success against odds; it gives employment to an army of workmen under the highest standards of American

labor conditions. It is a self-contained, essential industry of the first importance in time of war, and in time of peace makes and distributes an indispensable commodity at reasonable prices. It is, we believe, correct that no charge of an unjust act can be or ever has been sustained against those men who have shaped the company's course from the uncertain beginnings of 1888 to its present position in American commerce. They have enacted an industry, which has enriched the nation far more than it has enriched them. In North Carolina and on the Little Tennessee River this company has expended many millions of dollars in hydro-electric developments and in building aluminum plants.

The further development of this industry must, we believe, be largely in the South, and therefore this section is peculiarly interested in everything which will add to the progress and prosperity of the aluminum industry in all its wide ramifications.

Erecting \$1,000,000 Hotel at Tampa.

It is expected that the Tampa Terrace Hotel at Tampa, Fla., which is being erected in the heart of the city by the Adair Realty & Mortgage Co. of Atlanta, Ga., at a cost of \$1,000,000, will be completed about January 1 next year. The



\$1,000,000 TAMPA HOTEL UNDER CONSTRUCTION.

structure is 12 stories high and will contain 225 rooms, each with shower bath or tub. Hentz, Reid & Adler are the architects, and Adair & Senter general contractors, both of Atlanta. Contract for structural steel frame has been awarded to the Nashville Bridge Co., Nashville, Tenn.

\$1,000,000 Addition to By-Product Coke Plant.

Tarrant City, Ala., August 23.—[Special.]—The Alabama By-Products Corporation, Morris Bush, president, Birmingham, will let contract to start construction at once on \$1,000,000 addition to the by-product coke-oven plant here which will increase capacity one-third. The addition will bring the coke output to 1350 tons daily, benzol output to 130,000 gallons monthly and will increase output of other by-products correspondingly. Gas of this plant is sold for manufacturing purposes to industries in the district. Mr. Bush announced that work would be completed within the next eight months.

\$600,000 Temple for Negroes at Birmingham.

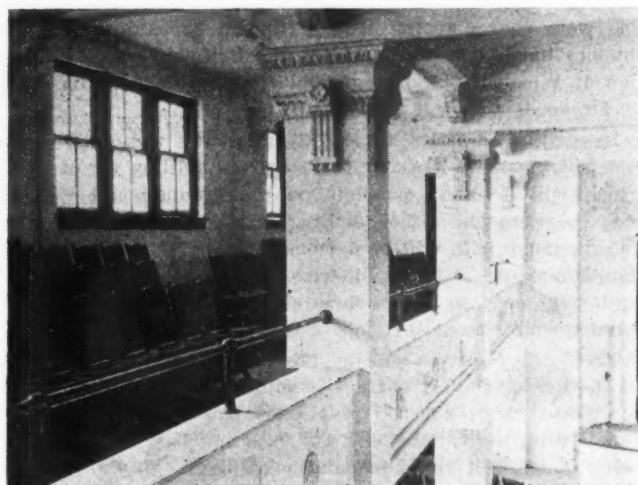
The new \$600,000 temple being completed at Birmingham for a fraternal order of negroes is 65 feet wide and 140 feet long, with seven stories and basement. It is of the Renaissance type of architecture, of steel and reinforced



NEW NEGRO TEMPLE AT BIRMINGHAM.

concrete construction, finished in Indiana limestone, buff brick and Alabama marble. There are six stores on the ground floor; an auditorium seating 2500, and a women's rest-room on the second floor; eight offices and gallery of auditorium on the third floor; four lodge rooms, two of which can be converted into one, and eight offices on the fourth floor, while the three remaining floors contain 57 offices.

The building is equipped with two high-speed Warner



SECTIONAL VIEW OF AUDITORIUM.

passenger elevators and one service elevator, and is heated by the overhead vacuum system. It was designed by Taylor & Persley, architects, Tuskegee Institute, Alabama, and erected by Windham Brothers of Birmingham.

Col. Luke Lea of Nashville, Tenn., is reported to have awarded contract to T. H. Logan, Nashville, for the construction of a 12-story office building at Nashville, for which plans and specifications have been prepared by Marr & Holman of Nashville.

A "UNIVERSITY OF PETROLEUM" AT TULSA. Exposition in October to Show Latest Developments in Machinery and Equipment Used in Oil and Gas Industry.

Tulsa, Okla., August 25—[Special.]—With the greatest display of equipment, appliances, historical exhibits and technical developments in the history of the petroleum and natural gas industries already assured, plans for the second annual International Petroleum Exposition to be held in Tulsa October 2 to 11 are being rounded into shape. Up to the middle of August approximately 350 manufacturers of petroleum and natural gas equipment, refiners and other concerns affiliated with the great industry had engaged space in the exposition. This compares with 193 exhibitors in the 1923 exposition, with the last-minute rush still to be experienced.

Sessions of the petroleum congress, with leaders of the industry from throughout the United States as well as from foreign countries as speakers, will be held on October 6, 7 and 8. Numerous conventions of oil associations and technical organizations also are scheduled for the exposition period.

The exposition this year will be held on a tract of seven and one-half acres within walking distance of the business center of Tulsa. In addition to the brick and corrugated iron buildings already on the grounds, which formerly were occupied by the Prairie Oil & Gas Co., the exposition management is erecting six additional buildings and arcades of steel and corrugated iron construction. This will make a total of a dozen buildings and arcades, each of which will bear the name of one of the oil-producing states.

One of the features that is being planned for the open-air section is a replica of the first oil well, drilled by Col. Edwin L. Drake along Oil Creek, near Titusville, Pa., in 1859. The exhibit is being prepared by a group of prominent oil and supply men who have spent much time and effort on research and study of the records and relics of the early days.

Some of the tools used in the original well will be seen at the model, including the old sand reel and the drilling tools. The tools, owned by Lewis Emery, Jr., of Bradford, Pa., were shown at the 1923 petroleum exposition and this summer have been on display at the British Empire Exposition at Wembley. If it is possible to obtain the engine used by Drake, it also will be used.

In striking contrast to the strange little rig of 65 years ago will be shown near by the standard drilling rig of 1924, which will be built complete on the grounds and will be seen in operation. Other drilling methods, including rotary and diamond drill, will be demonstrated on the grounds with complete outfits. There likewise will be models of drilling equipment used in the various oil fields of Europe and the Asiatic countries.

The outdoor section will include a great array of machinery in motion, including engines, compressors and other heavy equipment for refineries, pipe lines, gasoline plants, shops and drilling operations. Heavy concrete bases already are being poured for these machinery displays.

Various state and Government bureaus are co-operating with technical organizations in the task of assembling the displays for the scientific and technical section, which will occupy an entire building. Active in this work are the petroleum division of the Department of Commerce and the United States Bureau of Mines.

"It has been our plan to make the exposition a veritable 'University of Petroleum,'" said General Manager E. F. McIntyre. "In addition the visitors will have an opportunity to see on display the very latest developments both of a mechanical and technical nature. For the exhibitors the exposition is a great annual fair at which they have an opportunity to

introduce before a receptive audience the latest products from their engineering and their research departments.

"We confidently expect, in view of the great crowds which attended the exposition last year in the face of numerous detrimental circumstances which were outside the pale of the exposition management, to have 200,000 visitors at the exposition during the ten days that the gates are open. Unquestionably it will be the largest gathering in the history of the petroleum industry."

Automobile Hotel for Atlanta—Six-Story Building Will Accommodate 1000 Cars.

Atlanta, Ga., August 23—[Special.]—Bolling H. Jones, president of Ivy Street Corporation, Atlanta, has commissioned Lockwood, Greene & Co. of Atlanta and Boston as engineers on the construction of a building to be known as an automobile hotel to be erected in this city at 25 Ivy street.

The site has a frontage of 150 feet on Ivy street and a depth of approximately 200 feet. The building, six stories high, with part basement, will be of reinforced concrete construction throughout, with face brick and terra cotta trim on the Ivy-street frontage. It will have one main entrance and exit on Ivy street, and will be equipped with two patented d'Humy ramps, one of which will be used for ascent and one for descent. The grade of the ramps is moderate, as the floors in the building are staggered, resulting in a rise of only six feet between the different levels. As the result of the ramp design, the aisles will be kept open at all times. All cars will be instantly available and peak requirements easily cared for. The building will be equipped in the most modern way for servicing cars with gasoline and oil. Wash racks will be provided on the top floors.

The approximate floor area will be 180,000 square feet, the cubical contents being slightly over 2,000,000 cubic feet. The building will have space for approximately 1000 cars. Two elevators will be installed for the convenience of patrons and a portion of each floor above the ground will be arranged so that it may be used for general office space. The entire building will be fully equipped with automatic sprinklers, steam heat, adequate lighting and ventilating apparatus.

The first floor will be arranged for stores, garage, offices, general waiting-room, filling station and chauffeurs' room. The interior will be attractively finished.

Work Soon to Start on \$9,000,000 Power Plant— First Unit to Cost \$4,000,000.

Announcement has been made by Herbert A. Wagner, president of the Consolidated Gas Electric Light & Power Co., Baltimore, that work will soon begin on the \$9,000,000 electric-power plant which the company plans to build on Gound street on the waterfront. Mr. Wagner's statement followed the dismissal of condemnation proceedings brought by the city to acquire a right of way through the company's property to the proposed pier to the Western Maryland Railway at the foot of McComas street. A satisfactory adjustment, it is thought, will soon be made.

The first unit of the new plant will cost about \$4,000,000 and is expected to be completed by the summer of 1926. It will generate 60,000 horsepower and will ultimately be increased to 140,000 horsepower.

New Garment Factory for Charleston.

Charleston, W. Va., August 23—[Special.]—S. Eisenburg & Co., Philadelphia, Pa., have announced that they will establish a garment factory in Charleston to employ about 150 people. A building on Virginia street has been leased by the company and 75 cutters will be installed. It is estimated that about 90 per cent of the labor will be girls and women.

Japanese Peaceful Penetration in Mexico.

AN ILLUMINATING DISCUSSION OF MATTERS CONNECTED WITH MEXICO AND SOME SIDELIGHTS OR COMMENTS ON STATESMEN OF THIS AND OTHER COUNTRIES.

From an interesting and illuminating personal letter to the editor of the MANUFACTURERS RECORD we take some striking comments touching on Mexican matters and the movement of Japanese into that country, and in connection therewith a few interesting criticisms on American and European statesmen:

"The things you told me of the Japanese situation in the Far East and in Australia were of the deepest interest. I see that you are informed of things that lead you to conclusions similar to mine. Senator Lodge's reaction toward the affront offered by Hanihara was an excellent example of true patriotism and intelligent statesmanship. Secretary Hughes had accepted the insult with an apology proffered to the Senate for Hanihara's action. He affirmed in his letter transmitting the protest to the Senate that Hanihara had justification. On that occasion Senator Lodge measured up to the height of a proper norm for a Senator.

"I wish that some change might be made in our system whereby the Cabinet were responsible and subject to interpellation on the floor of the Senate. We would soon see a high grade of intellect in our Cabinet officers. As it is, they can take the toplofty attitude of irresponsibility, can answer whom they choose, or not answer at all if they prefer to play the demigod. Always, they have the advantage of writing what they decide to say, and do not have to possess a high-power brain that can answer the right thing on the spur of the moment in reply to some heckler on the floor. Look down the list of the British Premiers for the past fifty years or more and see what a steady adherence to the standard of Premier minds there has been among these men. They are all intellectual giants. I know of only two men in our recent history, occupying high political position, who equal those great men—these are Lincoln and Roosevelt. Our system is such that lesser minds can manage to get through, as a rule, without being made ridiculous. To be a Premier of Great Britain a man must possess detail knowledge of the affairs of the vast world-empire, with its almost infinite relationships with other national entities, and the bearing of one upon the other, and he must be ready to hold his own in Parliament against the sudden question of some lesser light who had taken the trouble to study the subject before asking what he thought would be a poser. It is a rare thing to find the British Premier unprepared to answer instantly, and then to add some further information. Would that we had a system that would give us men of such caliber in our high Cabinet posts!

"I wonder whether you are aware how deeply Japan has sunk her claws into the vital everyday life of Mexico. Wherever you go, all the way down the west coast from Nogales to Acapulco, you find that the Mexican merchants have mostly been driven to the wall and are superseded by Japanese. The Mexican rancher, when he tries to sell his crop, finds that the avenues to market have been occupied by the slant-eyed Japanese broker. They stand as a unit, so that competition has been eliminated. The Mexican takes what the Jap chooses to pay him. The west coast Mexican farmer is working today, not for himself, not for Mexico, but for the Japanese and for Japan. He is falling under a new kind of serfdom. The Japanese also are attracting the Mexican girls and marrying them, thus getting a firm hold on Mexican landed estates. Owing to the admixture of Indian blood in Mexico, the racial difference does not stand out as strongly as it does here. Hence, intermarriage is less noticed. In a short while we will be dealing,

not with Mexico, but with Japan, as regards the west coast of Mexico.

"This is a thing apart from what you hear now and then about Japanese colonies in Mexico and Lower California. Even without such colonies, Japan is getting the west coast into her hands through this sort of peaceful penetration. These people never become Mexicans; they retain their Japanese loyalty despite the technical professions of citizenship. So there is being provided a landing place where Japanese soldiers would be welcome, and one of the richest granaries on earth is under their control as the base of supplies for forces that might assemble, and whose presence would threaten our southern border.

"This matter seems never to have been discussed. I have seen no mention of this, the most important phase of the Japanese preparation to menace us on the south, in any newspaper.

"This, then, leads logically to the necessity for an accord between this country and Mexico on a mutually protective Japanese policy. In matters of this sort there is greater safety in being aggressive than pretending not to see the truth in letting the plot be laid for fear of starting trouble. The fundamental principle of successful tactics in war, whether on land or at sea, is to take the initiative in attack. It is true as well in diplomacy.

"Mexico needs careful study at this juncture. The new President, Gen. Plutarco Elias Calles, will be installed in the autumn. Flores seems to have quieted down, and I think there is a chance that Mexico may settle peacefully to business. Calles is a good type, despite his reputed espousal of the cause of labor. When Briand became Prime Minister, notwithstanding he had been a rank advocate of the direct action, he became a Conservative. Herriot, with leanings toward labor, is now a Conservative, and diligently following the lines of his predecessor, Poincaré. MacDonald always was a Conservative, in all save speech. He came from the safest kind of parentage, chose a white-collar occupation, and presently was inspected by the greatest mind produced in England since Sir Isaac Newton, to wit, Lord Kelvin, the master physicist of our time, when this young Scotchman dared to ask the hand of Lord Kelvin's daughter in marriage. Lord Kelvin would have approved only a premier mind, and premier minds are always constructive. They never are radical.

"So, I anticipate that the 'radical' Calles will be found frankly conservative and constructive. He was long a schoolmaster, and that in itself was a good training for doing something for Mexico with Mexicans. Contact with the honesty of youth breeds trust of the adults into which they develop, without diverting the mind of the old schoolmaster from his normal ideal of leading and educating for efficiency and success. Moreover, Calles is a positive and determined prohibitionist. It was Calles who dried up Sonora when he was master of that state. They call the head of the state a governor, but, in Calles' case, having conquered it, and then having seated himself on the chair of authority, it is correct to call him 'master.' He made it too dangerous in Sonora for 'bootleggers,' and they disappeared. If a man were found with liquor on his person, or proved to be implicated in the traffic, he was shot at sunrise. We may elevate our eyebrows—but he made the law, and the law was not a dead letter. The man who committed an infraction of the law became the dead letter.

"Now, Obregon's interests have suffered during his sojourn at Chapultepec, and he will sincerely be glad to get back to

his garbanzos. He is the largest producer (or was so before his political experience) of garbanzos in the world. You may not know the legume called garbanzo. It is very rich and delicious, and is raised all round the Mediterranean. It is (not quite properly) called in English the chick pea. The Spaniards, thereby revealing their good taste, live largely upon garbanzos. They depend to a great extent upon Mexico for this remarkable food. Moreover, there is only one part of Mexico where they grow to perfection, and that is the valley of the Mayo in lower Sonora. Obregon acquired an enormous plantation there. Also, he used to be the chief exporter of garbanzos. The output of garbanzos in the valley of the Mayo is about 50,000 tons annually. He has lost that business while in Mexico City and his place has been occupied by the Japanese. It will be interesting to see what he does about this encroachment of the Japanese brokers when he is free to attend to business again."

El Dorado Growing Rapidly—Construction Activity at High Level.

Chamber of Commerce,

El Dorado, Ark., August 20.

Editor Manufacturers Record:

El Dorado, the center of the Arkansas oil industry, has grown from a town of 3800 in 1920 census to approximately 30,000 at the present time. Today there is under construction the largest high-school building in Arkansas. Our telephone company is planning a \$150,000 new building having heretofore rented quarters. The Presbyterians have under construction a \$200,000 building, which will give El Dorado three of the largest churches in the state.

McEachin & McEachin, contractors, are breaking ground for a \$375,000 sewer addition; the Plains Paving Co. is working on three paving districts involving about \$125,000, which makes fifteen districts organized and completed since oil was discovered, comprising about fifteen miles of concrete paving. Smith & Campbell are working on a \$75,000 grading contract on the road from El Dorado to Smackover, 12 miles. I. P. Shelby Construction Co. has bid in the contract for hauling gravel for this road, County Judge George Tatum to load and furnish gravel from a gravel pit owned by the county in Calhoun county, 25 miles north of El Dorado.

The Missouri Pacific Railway has completed plans for improvements involving \$125,000, including a new passenger station. In addition to these improvements they are rebuilding their line from Gurdon, Ark., to Colliston, La., relaying with 75 and 85 lb. steel, giving a 15-inch raise of gravel, the whole expenditures running around \$750,000 to \$1,000,000.

The Exchange Bank & Trust Co., recently organized, opened this month for business with \$100,000 capital, with George W. James, chairman of the board; J. R. McCoy, president; F. L. Woodward, acting vice-president. It is spending \$25,000 for remodeling a building. Deposits at the end of the third day's business were \$750,000.

GEO. FIRMIN, Secretary-Manager.

Building \$400,000 Creosoting Plant.

Meridian, Miss.—Plans have been made by the Hattiesburg Creosoting Co. of Hattiesburg, Miss., to begin construction at once on a \$400,000 creosoting plant here. This plant will be in addition to the ones which the company operates at Hattiesburg and Slidell. It will be a duplicate of the Hattiesburg plant and will have a capacity of 40,000,000 feet per year, making the total annual production of the company 100,000,000 to 110,000,000 feet. Two cylinders, each 7 feet by 150 feet, will be installed, the Reeves Bros. Co. of Alliance, Ohio, having contract to supply them. The Walsh & Weidner Boiler Co. of Chattanooga has contract for tanks and towers.

Cottonseed Products' Corporation Capitalized at \$12,000,000—Will Consolidate Oil Mills in Several States.

Memphis, Tenn.—At a recent meeting of cottonseed oil interests in this city the National Cottonseed Products Corporation was organized with a capital stock of \$12,000,000, headquarters to be maintained in Memphis. The new organization will consolidate five cottonseed oil mill firms in Memphis, together with other leading companies in Tennessee, Arkansas, Missouri, Illinois and Kentucky. Its officers include Ed Cornish, Little Rock, president; Ernest Rice, Dyersburg, Tenn., first vice-president; W. S. Roberts, Memphis; D. D. Adams, Batesville, Ark.; W. O. Scroggin, Morrilton, Ark., and H. J. Parrish, Memphis vice-presidents, and C. E. Garner, Memphis, secretary.

The consolidation, it is thought, will tend to more economical production and distribution and greater marketing opportunities for Southern operators. The following companies are represented in the merger: Dixie Cotton Oil Co., Valley Cotton Oil Co., Bellevue Cotton Oil Co., Crescent Cotton Oil Co., and Gayoso Oil Works, all of Memphis; Jefferson Cotton Oil Co. and Planters Cotton Oil Co., both of Pine Bluff, Ark.; Roberts Cotton Oil Co., Jonesboro, Ark.; Cairo, Ill. and Malden, Mo.; Covington Cotton Oil Co., Covington, Tenn.; Lake County Cotton Oil Co., Tiptonville, Tenn.; Tennessee Cotton Oil Co., Jackson Tenn., and Cottonseed Products Co., Louisville, Ky.

It is understood that Mr. Cornish will be assisted in the operation of the various plants by Mr. Roberts, one of the vice-presidents of the new organization, and W. F. Bridewell, of Little Rock, one of its directors.

National Cement Company Rebuilding Burned Plant—Partially Destroyed at Loss of \$1,000,000.

Referring to the rebuilding of its plant at Ragland, Ala., which was partially destroyed by fire last week with a loss estimated at \$1,000,000, the National Cement Co. wires the MANUFACTURERS RECORD: "Rebuilding program includes steel and concrete warehouse. Same construction for machine shop and bag house. Placing contracts. Rebuilding operations under full swing."

The company further advises that it lost its entire warehouse, 75 by 155 feet; bag house, 60 by 120 feet; machine shop and electric shop. It also lost its second battery storage on the other side of the track, and connecting conveyor system from the plant to the main warehouse. Considerable damage was done to structural iron in the main buildings, steel storage tanks, shaftings, all kinds of cement-making machinery, motors, wiring, etc.

All rebuilding will be of fireproof construction with the exception of a temporary loading bin. By using temporary storage the company states it will be shipping cement to half capacity within a week, as it had a big clinker storage on hand, and by the first week in September will be running at approximately full capacity. Three months will be required to complete its building program. The principal items of material have been purchased from Birmingham and Atlanta, where quick delivery may be had.

Contract for Commerce Building at Greenville.

Greenville, S. C.—Contract for the erection of the proposed ten-story building here for the Chamber of Commerce has been awarded to the Minter Homes Co. of this city at approximately \$257,000. The building will be of brick, stone and steel construction. Beacham & Le Grand are the architects, and J. E. Sirrine & Co., associate architects and engineers, both of Greenville.

The World Nitrate Situation.

The British interests controlling the Chilean nitrate beds predict a production of 2,350,000 tons for the year ending June 30, 1925. This would be an increase of 6.7 per cent over the 2,186,000 tons for the year ending June 30, 1924, which in itself showed an increase of 41.3 per cent over the 877,000 tons for the preceding twelve months.

Literature put out by the Nitrate Producers' Association and forwarded to the Department of Agriculture by Edward A. Foley, American Agricultural Commissioner at London, shows that the association owns or controls all of the Chilean product except 2.25 per cent in the hands of American companies. Adding the output of these independents to that of the association, production for the year ending June 30, 1924, reaches 2,361,000 tons. Total exports for the year just closed, including that of independents, do not indicate that the trade is keeping pace with production. During the year 2,210,000 tons were sold, against 2,215,000 during the preceding year.

The slight drop in sales, together with the significant increase in production, had the effect of suggesting that a slight cut in the price in Chile would be appreciated. Accordingly, when the monthly export allotments for the current year were made out a price scale appeared which begins at \$42.80 per ton in July and runs up to \$46 by the first of January, 1925. The average price during the year just closed was \$44.20 per ton f. a. s. Chile. To take advantage of the new low rates, orders poured in to the extent of 1,235,000 tons for delivery up to the end of January, 1925, equaling 60 per cent of the sales for the whole of the preceding twelve months.

Whether or not selling will continue at the same rate during the second half of the season depends largely on the price policy of the association. The late winter and early spring are always times of depression in the nitrate industry and prices have heretofore always been lowered at the end of January, to ascend as demands for spring usage increase. At a meeting on May 8 at Valparaiso, however, the association voted to maintain the maximum price from January 31 to June 30, 1925, although not without opposition from many of the members. Should this arrangement be carried out, it is safe to say that sales will not justify the production of the possible 2,350,000 tons. At the same meeting the association voted to function in its present form for another six years. Severe controversies between Chilean and British operators over policies of the association occupied much time, but the greater forces prevail in practically every case.

WORLD CONSUMPTION OF NITRATES.

Year.	United States. Tons.	Europe. Tons.	Others. Tons.	Total. Tons.
1924	937,000	1,103,000	937,000	2,190,000
1923	984,000	1,032,000	984,000	2,165,000
1922	550,000	894,000	550,000	1,528,000

The foregoing figures show a gain of 41.6 per cent in the 1923 total world's consumption over 1922, but of only 1.1 per cent for the year just closed over the preceding year. Production for the same years was showing increases for 1923 and 1924 to 41.6 per cent and 6.7 per cent, respectively. Thus in 1923, even with a tremendous spurt in selling, the net result was only .5 per cent ahead of production, while for last season, production exceeded exports by 5.6 per cent. Accumulated stocks in Chile as of July 1 were 1,076,000 tons in 1924, against 997,000 tons a year ago and 1,591,000 in 1922. During 1924 the United States took 9.4 per cent less than in 1923, in which year the imports gained over those of 1922 by 78 per cent. Figures for Europe and for other countries show gains of 60 to 70 per cent for 1923 and of only very small amounts during the past year.

The City Commission of Birmingham, Ala., has enacted ordinances authorizing the immediate sale of \$650,000 library bonds and \$200,000 of public improvement bonds.

DADE COUNTY VOTES \$1,769,000 OF BONDS.

Special Interest in Tamiami Trail.

Miami, Fla.—The result of Dade county's recent election on a total of \$2,069,000 worth of bonds for various improvements was the approval of all items except one for \$300,000 to supplement Federal-aid funds for the construction of the East Dixie highway. Items which received the support of the majority of voters include the following: \$247,000 for the West Dixie highway; \$160,000 for paving Southwest 8th street, Miami; \$125,000 for the Tamiami Trail; \$600,000 for widening causeway; \$437,000 for Canal highway and other projects; \$100,000 for a public fair building, and \$100,000 for a county armory.

While most of the items carried by large majorities, the greatest amount of interest was manifested in the success of the \$125,000 issue for the Tamiami Trail, this item carrying by a vote of seven to one. The West Dixie highway item was accorded a three to one majority, and that of widening the causeway was given a majority of approximately four to one.

Cotton Consumption and Stocks Lower.

During the twelve months ending July 31, cotton mills of the United States consumed 5,688,111 bales of cotton, compared with 6,666,092 bales consumed during the preceding cotton year. Cotton on hand July 31 in consuming establishments amounted to 719,827 bales, and 673,934 bales were reported in public storage and at compresses on that date. On July 31, 1923, 1,093,618 bales were in consuming establishments and 938,903 bales were in public storage and at compresses.

Cotton spindles reported active during July numbered 28,710,359, compared with 34,243,817 active during July, 1923.

Exports of domestic cotton during the twelve months ending July 31 were 5,772,000 bales, compared with 4,864,027 bales exported for the corresponding twelve months of 1923, while cotton imports were 292,288 bales and 469,954 bales, respectively.

Investigating Locations in Middle Georgia for a \$1,000,000 Refrigeration Plant for Peaches.

In connection with the proposed construction of a \$1,000,000 icing plant to which reference was made last week in the MANUFACTURERS RECORD, H. D. Pollard, general manager of the Central of Georgia Railway, on whose lines the plant will be located, wires as follows: "Investigation is being made looking toward establishing plant for refrigerating to care for peaches of middle Georgia. Location not yet decided upon. Central of Georgia will only be concerned in trackage to serve plant."

Reports from Macon state that the plant contemplated will have a storage capacity of 40,000 tons and will be capable of icing 40 cars—twenty on each side. It is understood that the Atlantic Ice & Coal Corporation of Atlanta has been approached for the purpose of interesting that company in the project.

Work Begins on \$1,250,000 Club Building.

Fort Worth, Texas.—Work has begun on the proposed \$1,250,000 club building here for the Fort Worth Club, of which A. G. Carter is president. Basement excavation is being done by Wilbig Bros. of Fort Worth.

The building will be 200 by 95 feet, 12 stories, of steel and reinforced concrete construction. General contract has not been awarded. Sanguinet, Staats & Hedrick of Fort Worth are the architects.

It is understood that the building will be used jointly by the Fort Worth Club and the Fort Worth & Denver Railroad.

Now Arranging for the Exhibits at Southern Exposition.

From all indications as given in reports from various sections, the preliminary and introductory work for the Southern Exposition in New York next January has been pretty well completed and the concrete task of preparing exhibits of various kinds now is under way. Many exhibits, it is disclosed, will be made by individuals and individual corporations, others by rural and urban community groups, still others by counties, and many thrown into composite groups for sundry states—at all events, the rest of the country and of the world is to be given adequate idea of the diversity and value of the products of the South and the opportunities it offers to capital and labor in every line of industry.

Ample opportunity will be given to exhibitors to set forth their exhibits to the best advantage at the great Grand Central Palace, where the Exposition will be held from January 19 to 31, inclusive.

In the Florida Times-Union of Jacksonville is the following news article, giving some idea of the great and increasing interest in the Exposition:

"Under instructions from his road to promote the Southern Exposition in New York and assure the Florida participants and representatives of the great interest felt in the occasion. A. A. Irwin, district freight representative of the Baltimore & Ohio Railroad Company, with headquarters in Atlanta, spent yesterday in Jacksonville, announcing the Baltimore & Ohio desires to do all in its power to assist in this Exposition of products made in the South.

"Traveling practically all the Southeastern territory, Mr. Irwin predicts an excellent Exposition in Grand Central Palace next January, evidence of which already exists in the sections of the country visited. All Southern products will be displayed and the show will be one of the most comprehensive ever staged through Southern co-operation, he stated. Mr. Irwin feels with his Southern views, his love for the South, his knowledge of the wonderful progress of the South, that every Southern newspaper and industry, should get behind this Southern Exposition and promote it with all their power.

"The various Southern states should appropriate necessary funds to give their exhibits and to display to the country what the South has; its lumber, its naval stores, its cotton, its minerals, its cotton-produced goods, and, above all, the representatives to know the hospitality that the South offers to all who come to her. Mr. Irwin declared labor conditions of the South are ideal, with every mill and industry carrying on its work in one language, while in Eastern industrial centers and mills as many as five and six distinct languages are spoken by the employees, who have difficulty in associating harmoniously. As long as the South maintains this ideal labor condition it will have the greatest advancement of any section of the country, he stated."

A dispatch from Macon, Ga., to the Atlanta Journal says:

"With the appropriation of \$600 by the City Council of Macon for the expense of providing a suitable exhibit at the Southern Exposition in New York next January, this city is the first in the state to make this provision.

"Macon's exhibit will be one of the largest ever staged at such a show, and will be designed to cover the industrial, economical, agricultural, educational and commercial wealth of the Central City.

"A large number of personal donations are to be made to defray expense of the exhibit.

"The exhibit idea has already been discussed informally among the merchants, business men and manufacturers of Macon, and they are enthusiastic over the plan and have promised to co-operate. The manufacturers are especially interested in the Exposition and expect to arrange a show that will give Macon wide advertising as a manufacturing center."

The Buckman Corporation of Jacksonville, Fla., is negotiating for the purchase of the U. S. Shipping Board's drydock and St. Johns riverfront properties at Jacksonville and plans to expend \$150,000 for repairs and improvements.

Changes in the Cost of Living Between July, 1914, and July, 1924.

According to a survey of the cost of living in the United States, just completed for July 15, 1924, by the National Industrial Conference Board, the weighted average of all the items combined remained unchanged between June 15 and July 15, 1924, although all of the separate items included in the cost of living, except light, showed slight variations in this period. Between March 15 and July 15, 1924, there was an average decrease of nine-tenths of 1 per cent in the cost of living. This change was due to decreases in the average cost of food, clothing, fuel and sundries. The only increase was in the average cost of shelter; the cost of light remained the same in this period. Between July, 1920, when the peak of the rise in the cost of living since 1914 was reached, and July, 1924, there was a decrease of 20.9 per cent. The increase in the cost of living since July, 1914, was 61.7 per cent.

The following table shows in detail the changes in the cost of living noted above:

Item	Relative importance in family budget	Percentage of increase in the cost of living above average prices in July, 1914, to			
		July, 1920	March, 1924	June, 1924	July, 1924
Food*	43.1	119	44	42	43
Shelter	17.7	58	85	85	86
Clothing	13.2	166	76	74	71
Fuel and light	5.6	66	72	65	66
(Fuel)	3.7	92	87	77	78
(Light)	1.9	15	42	42	42
Sundries	20.4	85	74	74	73
Weighted average of all items	100.0	104.5	63.2	61.7	61.7

*Food price changes are from the United States Bureau of Labor Statistics.

The purchasing value of the dollar based on the cost of living in July, 1924, was 61.8 cents as contrasted with one dollar in July, 1914.

Contracts for \$1,500,000 Bank Building.

Dallas, Texas.—General contract has been awarded the Inge Construction Co. of Dallas for the erection of the proposed \$1,500,000 bank and office building here for the Republic National Bank. The structure will be erected by the Republic Building Co., Wirt Davis, chairman of the building committee. Contract for structural steel has been awarded to the Mosher Steel & Machinery Co. of Dallas at approximately \$250,000.

The building will be 20 stories, basement and sub-basement, 96 by 100 feet, of steel, reinforced concrete, stone and terra cotta construction, with tile and wood floors. It will be equipped with five high-speed elevators and a vacuum steam heating plant. C. D. Hill & Co. of Dallas are the architects.

\$250,000 Carbon-Black Plant Near Ranger.

Ranger, Texas, August 23—[Special.]—Construction of a carbon-black plant near here will be started soon by the Phillips Petroleum Co. of Ranger. The proposed plant will cost \$250,000, it is stated, and under authority granted by the Oil and Gas Division of the State Railroad Commission it may burn a maximum of 11,000,000 feet of residue natural gas a day. This will be obtained from the casinghead gasoline plants of this district.

Big Paper Mill Begins Operations.

Bogalusa, La.—The \$1,000,000 paper mill here of the Union Bag & Paper Corporation, which has been under construction for several months, has begun operations with 75 hands. It is stated that the bag mill will employ about as many more. Machinery in both plants is the most modern obtainable, one machine being able to produce paper 147 inches wide at a minimum speed of 200 feet per minute.

Tobacco Ranks Fourth in Export Value.

Exports of leaf and manufactured tobacco from the United States continue to increase, according to latest statistics issued by the Department of Commerce. During the past fiscal year the total value of tobacco exports reached \$193,338,000, as compared with \$171,018,000 for the fiscal year ending June, 1923. Tobacco advanced from sixth place to fourth place among the total commodities exported, being exceeded only by raw cotton, mineral oils and automobiles and parts.

During the fiscal year 1923-24 557,288,000 pounds of leaf tobacco, valued at \$166,441,000, were exported from the United States, as compared with 445,142,000 pounds, valued at \$145,625,000, for 1922-1923. This is an increase of 25 per cent over the previous year.

During the five-year period, 1910-1914, 388,284,000 pounds of leaf tobacco, valued at \$44,686,000, were shipped from the United States, chiefly to Europe. In 1922-1923 exports of leaf tobacco increased 14.7 per cent in quantity, and a further increase of 25 per cent in export shipments over the preceding year was made during the last fiscal year.

During the first six months of 1924 322,851,000 pounds of tobacco leaf and stems were shipped from the United States, as compared with 221,206,000 pounds during the same period of 1923, or an increase during this period of over 45 per cent.

The Department reports that a change has taken place in the types of tobacco which constitute these shipments. From January to June, 1923, shipments of dark-fired Kentucky and Tennessee totaled 73,451,000 pounds, which was 33 per cent of the entire quantity of leaf tobacco exported; cigarette tobacco of the bright flue-cured variety amounted to 57,092,000 pounds, or 25 per cent, while 34,719,000 pounds, or 15 per cent, was dark Virginia tobacco. In 1924 conditions were reversed, cigarette tobacco to the amount of 142,705,000 pounds constituting 44 per cent of the total shipments, dark-fired Kentucky and Tennessee occupying second place with 91,886,000 pounds, or 28 per cent. Shipments of burley increased, but with the exception of dark Virginia, which decreased 50 per cent, other types of tobacco remained practically the same.

Shipments of cigarettes totaled 5,827,470,000 during the first six months of 1924, as compared with 5,818,357,000 during the same period of 1923, but their value decreased from \$11,057,517 in 1923 to \$10,653,244 in 1924.

As the South produces about 84 per cent of the country's tobacco crop, the successful marketing of the tobacco crop abroad means much to the tobacco-growing regions of this section. In 1923 the area planted to tobacco in the South was 1,621,000 acres, compared with 1,820,000 acres in the whole country. Last year the South produced 1,248,572,000 pounds of tobacco, valued at \$241,178,000, compared with the country's production of 1,474,786,000 pounds, valued at \$298,936,000.

Vegetable Dehydration Plant to Cost \$300,000.

Harlingen, Texas, August 23—[Special.]—P. H. Theis of Kansas City, Mo., and Frank N. Maars of Bristow, Okla., representatives of the National Dehydration Co. of Kansas City, announce that the company will install a vegetable dehydration plant here to cost \$300,000. The proposed plant, it is said, will have a daily capacity of 400 to 800 bushels of vegetables, the output depending on variety.

Contract has been awarded by the Ouachita Parish Police Jury, Monroe, La., to the MacArthur Concrete Pile & Foundation Co., New York, for a concrete pile foundation for the proposed \$500,000 courthouse at Monroe. J. W. Smith of that city, architect.

NORTH CAROLINA PASSES \$8,500,000 PORT BILL.

Commission of Seven Appointed by Governor.

Raleigh, N. C.—A bill has been enacted by the special session of the North Carolina Legislature which authorizes a state-wide vote at the November election on \$8,500,000 of bonds for the development of port terminals and, if necessary, for the operation of state-owned steamer lines. Gen. Albert L. Cox of Raleigh will lead the campaign for the adoption of the measure at the polls, and it is understood that Governor Cameron Morrison will take the stump in its support.

A commission of seven members, as provided in the bill, has been appointed by the Governor and ratified by the Senate. This commission is composed of the following: J. A. Brown, Chadburn, and Arthur J. Draper, Charlotte, both to serve two years; Wallace B. Davis, Asheville; Emmett H. Bellamy, Wilmington, and George Butler, Clinton, all to serve four years; Alfred M. Scales, Greensboro, and Charles S. Wallace, both to serve six years.

Messrs. Brown, Bellamy, Scales and Wallace were members of the Water Transportation Commission which formulated the report on water commerce development, which is said to have been the basis for the enactment of the port bill by the special session.

A Defense of "Muscle" Shoals vs. "Mussel" Shoals.

WM. BENJ. WEST, 60 South Elliott Place, Brooklyn, N. Y.

B. P. Templeton of Dalvalle, Texas, seems to feel that some "smart aleck" started spelling Muscle Shoals (Ala.) wrong and that others followed. Please allow me to say that before I "follow" I know what I am following.

I have written some about Muscle Shoals in late years, and before I started writing I looked into this matter and I found, from very reliable sources, that Muscle Shoals came by its name when Indians were passing up the river and found that "Much Muscle" was required to run canoes over the shoals. There are others besides Webster and Wells.

We are also aware that there are not many mussels at Muscle Shoals.

Chemical Exposition to Be Held in 1925.

To clear some confusion, the International Exposition Company, under whose management the Exposition of Chemical Industries has been held since 1915, announces that there will be no chemical exposition in 1924, and that the next Exposition of Chemical Industries will be held September 28 to October 3, 1925, at the Grand Central Palace, New York.

"As a result of a vote of exhibitors, taken last year," says the statement, "the decision was definitely reached not to hold the exposition in 1924, but to skip a year and hold the next one in 1925. Owing to the fact that the Chemical Exposition has been held without interruption since 1915, the many inquiries regarding the omission of the exposition this year are only natural."

Bethlehem Steel Corporation Expending Several Million Dollars at Sparrows Point.

Facilities which will largely increase the output of its tinplate mills at Sparrows Point, Md., are being constructed by the Bethlehem Steel Corporation of South Bethlehem, Pa., at a cost of several million dollars. W. F. Roberts, general manager of the Sparrows Point properties, announces that the company is building twelve tinplate mills, which will make a total of 36, as 24 are already in operation. These are from 25 to 30 per cent complete.

THE IRON AND STEEL SITUATION

Improvement in Steel Market, in Pig Iron and in Coke.

Pittsburgh, Pa., August 25—[Special.]—The steel market continues to improve, and pig iron is now improving also, having just joined the procession. Incidentally, to round out the case, prospects have improved of the Connellsville coke operators getting \$3.25 for fourth-quarter furnace coke, an advance of 25 cents over the market lately ruling.

There is nothing spectacular about the improvement in the steel market. There is simply an increasing flow of business, from practically all classes of buyers and from practically all sections of the country. In some quarters emphasis is laid on statements that buying in the agricultural sections is greatly improved, but this seems to be theoretical in rather large part.

The most concrete and matter-of-fact information as to improvement in the steel trend is found in the matter of fabricated steel bookings, which are certainly not from agricultural sections. The normal seasonal thing is for fabricated steel lettings to decrease towards summer, but the report for July shows lettings at 70 per cent of the fabricating shop capacity, against 66 per cent for June and 59 per cent for May. Last year lettings in both June and July were only 50 per cent. The result is that the loss of early in the year is made up, and the seven-month average is 68 per cent, the same as for the first seven months of last year. Present estimates are that August will run two-thirds as heavy as July, but this will represent no particular loss, as August last year showed only 57 per cent.

July production of passenger automobiles was 237,652, against 217,943 in June. July was only 8 per cent below the monthly average January, 1922, to date.

Steel mill operations have continued to increase, and it is common to say that they have been increasing slowly, but when the low point was about 40 per cent, in the first half of July, and the present rate is probably all of 50 per cent the increase does not seem to be so slow. Those who are disappointed at the progress the steel trade is making look for too much acrobatics. Furthermore, while a 50 per cent operating rate looks poor, the average operating rate January 1, 1919, to August 1, 1924, was 66 per cent, and if the average rate of five years and seven months does not make a normal, an interesting question is how a normal is to be determined. A still more interesting and important point would be how to make the normal into an actual fact once it is determined. A 50 per cent operating rate for the steel industry means a tonnage equal to that produced in 1910, which made a new record in production, and only 10 per cent below production in 1912 and 1913, the only years before the war that exceeded 1910.

Thus a 50 per cent operating rate at the steel mills means a good bit of industrial activity, even though not a normal amount. There is no doubt that the increase in steel buying for at least 30 days past has been due to increasing industrial activity, or actual consumption of steel. Before that there may have been some increase in buying due to the fact that buyers no longer had stocks from which to draw. The liquidation of stocks was practically completed by early in June.

Increased buying of steel has had different influences on prices in the different lines according to circumstances. In general, heavier buying may stiffen prices by producers being given comfortable order books, or it may depress prices by supplying more material for competition. In pipe it has had the former influence, in plates and shapes, the latter. At no time was there much chance that pipe prices would decline, but if there was any it has been removed. In plates and shapes prices are \$2 a ton lower in the week, the Pittsburgh

district market being quotable at 1.90c to 2.00c on plates and at 2.00c to 2.10c on shapes. Bars remain generally quotable at 2.15c, though 2.10c is being done with increasing frequency. It is altogether unprecedented for plates and shapes to be so much below bars, their usual position for a quarter of a century having been \$2 a ton above.

In sheets the increased buying has had a sort of intermediate influence. In the past three weeks or thereabouts two things have occurred. Efforts of certain mills, including the Steel Corporation, to secure prices above the average have been abandoned, and shading below the average has been dwindling until now it is almost inconsequential. Black sheets are fairly firm at 3.50c, galvanized sheets are quite firm at 4.60c and automobile sheets are rigid at 4.75c. Blue annealed sheets are 2.60c to 2.70c, and this range seems to be due to differences in quality.

Foundry pig iron, which for months has presented a poor appearance, has suddenly developed strength, an advance of \$1 a ton, from \$19 to \$20, valley, breaking almost overnight. The market declined almost continuously from the middle of February to the middle of June, when it reached \$19. The market has since seemed to be decidedly inactive, but production had been decreasing, stocks in furnace yards were moving and the few active furnaces were quietly acquiring backlogs by selling for fourth quarter. The last sale at \$19, valley, of any consequence was to the Standard Sanitary Manufacturing Company, 12,000 tons for fourth quarter. Then furnaces advanced their prices to \$20, and they have since made enough sales to prove the point. Standard Sanitary also bought for its Louisville plant 2000 tons of southern Ohio iron at \$19.50, furnace, and 6000 tons of southern iron at \$17.50, Birmingham. Basic remains at \$19, valley, and is dull, Bessemer being dull likewise at \$20, valley.

Sales of Iron in Small Lots.

Birmingham, Ala., August 25—[Special.]—Small-lot orders with an occasional 1000 tons and more trade, have held up hopes in the minds of pig iron producers in the Alabama district. The quotations show no change, the minimum being \$17.50 per ton, with the average selling around \$18 and \$18.50 per ton, No. 2 foundry, the latter price having been asked for what little iron is going northward. Furnace interests here have been hoping against time, so to speak, that there would be a change for the better and that plans for readjustment in production need not be put into effect. Casual survey of the local consumption situation shows that all interests will before long have to come into the market for iron. Soil-pipe makers have continued their small-lot buying, while the larger melters have had plenty of iron still due them to keep up their steady pace. The radiator plant had a readjustment for a week, such repairs as could be done being put in and the output regulated somewhat. The gas and water pipe makers have been receiving lettings right along and improvement in business is noted. Foundries and machine shops are also hopeful of improvement in the near future.

Steel mills in the district are holding the pace that was noted during the past several weeks, the United States Steel Corporation subsidiary companies' plants going at more than 80 per cent and the Gulf States Steel Company, independent, at about 50 per cent. A little better demand is reported for wire and nails. Some shapes of steel are enjoying a much improved demand. Rails, track fastenings and other railroad accessories are having good patronage.

An incident of the iron and iron products situation the

past week was the shipment of 50 cars of soil pipe and fittings by the Central Foundry Company at Bessemer. The pipe was shipped in new cars built at Fairfield for the Southern Railway and the product will be exported through Florida ports.

A splendid demand for welded tanks for gasoline and oil, mostly for use in filling stations throughout the Southern and Southwestern territories, gives promise of work for several months at the various plants producing these commodities. The Welded Products Company, A. J. Deacon, president, has contracts which will warrant steady operation of its plant, some of the time day and night, for the next five months. Tanks of 18,000 gallons capacity will be produced. The Birmingham Tank Company, of which R. I. Ingalls is executive, has also some good orders, and the plant at north Birmingham will be kept in steady operation. The steel for the tank making is obtained at Fairfield. Arc welding as well as the other process is employed in this manufacture in this district.

Much is expected of the merging of a number of soil-pipe plants and fittings shops under the corporation name of the Alabama Pipe Company, economies to be brought about in production that will be profitable in the business. Anniston has for the past few years enjoyed the reputation of being the greatest producing center of soil pipe in the world, and with headquarters of a merger of 14 companies and the general offices of a selling agency, with the output of seven other companies being handled, the development is in an even better position.

The Alabama By-Products Corporation expects to have the addition to its by-product plant at Tarrant City completed by April next. The addition will be one-third the size of the plant today and will bring the daily output of coke up to 1350 tons, or 40,500 tons a month. Announcement is made that with hard work the entire output of the plant has been sold right along. The coal mines from which the raw material is obtained have a visible supply which will last 30 years, estimated, and reserve coal lands in Cullman county belonging to the Bush-Hammond interests will supply for another 100 years. Kopper ovens will be built.

The scrap iron and steel market is not doing much, though the announcement is repeated of some improvement, especially in steel products.

The coal industry of Alabama reports a slight turn for the better. The DeBardeleben Coal Corporation, one of the larger independent coal companies of the district, during the past week shipped 7500 tons of coal to Cuba and South America, six boats carrying the tonnage through the port of Mobile. Other corporations report a slight increase in instructions to move coal on contracts placed some time ago. The Pratt Fuel Corporation, Walter Moore interests, have closed all deals for the purchase of the Jagger Coal Company, taking over 25,000 more acres of coal lands. The offices have been consolidated and Walter Moore is now the executive. The Pratt Fuel Corporation is a consolidation of upwards of 22 smaller coal companies and the annual output is very large.

The coke market is very quiet. This is the only commodity not showing some improvement. Coke quotations range between \$4.50 and \$5.50 per ton.

PIG IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$17.50 to \$18.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$18.00 to \$18.50; iron of 2.75 to 3.25 per cent silicon, \$18.50 to \$19.00; iron of 3.25 to 3.75 per cent silicon, \$19.00 to \$19.50; iron of 3.75 to 4.25 per cent silicon, \$19.50 to \$20.00; charcoal iron, f. o. b., \$30.00 to \$31.00.

OLD MATERIAL.

Old steel axles	\$17.00 to	\$18.00
Old iron axles	19.00 to	19.50
Old steel rails	12.50 to	13.00
Heavy melting steel.....	12.50 to	13.00
No. 1 cast.....	15.00 to	16.00
Stove plate	14.00 to	15.00
No. 1 R. R. wrought.....	12.00 to	13.00
Old car wheels	14.00 to	15.00
Old tramcar wheels	15.00 to	16.00
Machine shop turnings.....	6.00 to	7.00
Cast iron borings	7.00 to	8.00
Cast-iron borings (chem.)	15.00 to	16.00

RAILROADS

Atlantic Coast Line and Louisville & Nashville Railroads Accept Terms of Lease of Clinchfield Railroad.

The directors of the Atlantic Coast Line and Louisville & Nashville Railroads jointly last week accepted the authority conferred by the Interstate Commerce Commission granting the lease and operation of the Carolina, Clinchfield & Ohio Railroad, subject to the terms and conditions imposed by the Commission. It is provided that the corporate equity of the Clinchfield property be preserved and that its use be left to other roads.

Execution of the lease will be deferred until stockholders of the Carolina, Clinchfield & Ohio Railway approve the proposal. Following this the Louisville & Nashville will build two branches, linking its McRoberts and Harlan County lines, on the one hand, and the Clinchfield on the other.

Four-Mile Interurban from Coral Gables to Miami.

Miami, Fla.—According to an announcement by George E. Merrick, owner and developer of Coral Gables, work on four miles of street railway connecting this city and the suburb will be started within the next 30 days. The City Commissioners have agreed to widen West Flagler street to 60 feet for a distance of one and a half miles, and laying of the tracks will proceed simultaneously with the improvement of the street.

Negotiations have been practically completed with the Florida Power & Light Company for operation of the lines, which initially will touch only the business sections of Coral Gables, but will probably later be extended to residential areas. Work on the car line will be completed by January 1.

Missouri Pacific Breaks Its Freight Volume Records.

According to an announcement made last week by L. W. Baldwin, president of the Missouri Pacific Railroad, the company handled during the first two weeks in August the greatest volume of freight ever carried in a similar period in its history. There were direct loadings of 47,384 cars, and to this were added the loadings of 17,132 cars received from other lines, making a total of 64,516 cars.

Previous high records were surpassed on August 5, when 5375 cars were loaded, and on the following Tuesday this record was exceeded with a total of 5396 cars loaded. The daily average during the two weeks exceeded by 230 cars any previous daily record.

Ask Approval of State-Financed Road.

The Interstate Commerce Commission has been asked to approve a state-financed railroad, the Appalachian & Western North Carolina, which plans a line in Tennessee and North Carolina as a connecting link between western points and North Carolina ports. The project was provided for in a special act passed by the North Carolina Legislature.

Funds for constructing the line will be advanced by the state of North Carolina. The line may run between Taylorsville and Mountain City, Tenn., or between Taylorsville and Butler, Tenn., or between Doughton, N. C., and Mountain City.

Mobile, Ala.—The Bonhomie and Hattiesburg Southern Railroad has acquired the Hattiesburg branch of the Gulf, Mobile and Northern Railroad. The Bonhomie and Hattiesburg Southern is owned by the Tatum Lumber Co. and title to the property passed to the company last week.

Gulf, Mobile & Northern Net Increases.

The annual report of the Gulf, Mobile and Northern Railroad Company issued last week showed a net income of \$940,496 for 1923. This compares with net earnings of \$782,987 on the common stock in 1922. Freight revenues for the year amounted to \$5,192,875, an increase of \$1,075,397, and the total passenger revenue was \$515,544, an increase of \$66,295 compared with the preceding year.

The total tonnage handled in 1923 was 34.92 per cent greater than in 1922, but the increase in gross tonnage did not reach this percentage, because some of the business was subject to a cut of 10 per cent in rates.

Announcement of Railroad Hearings.

The Interstate Commerce Commission has announced that an oral hearing will be held October 3 on the application of the Missouri Pacific Railroad to acquire control of the New Orleans, Texas and Mexico Railroad.

On September 3 hearings on the application of the Mobile & Ohio Railroad for authority to abandon certain lines in Mobile county, Alabama, will be held at Montgomery before the Alabama Public Service Commission.

New England Interested in Georgia Mill.

Ball Ground, Ga.—Plans for the erection of a large cotton mill at or near Ball Ground are being considered by J. B. Roberts of Ball Ground, president of the Roberts Marble Co., and associates, including New England textile interests. It is understood that construction of the mill will soon begin, although details have not been announced.

\$1,000,000 Interurban Electric Railway Organized.

Austin, Texas.—The Seaboard Electric Railway Co., capital \$1,000,000, has been organized by John Hunter Thompson, J. A. Cottingham and Jacob F. Wolters of Houston to build an interurban line connecting pleasure resorts on Galveston Bay with Houston. Construction is scheduled to start within 60 days.

Would Construct 20-Mile Extension.

The Chicago, Rock Island and Pacific Railroad has asked authority of the Interstate Commerce Commission to construct an extension from Owens to Ponca City, Okla., a distance of 20 miles, for the development of the agriculture and mineral resources of that region.

Buys Controlling Interest in Waco Twine Mill.

Waco, Tex.—A controlling interest in the Waco Twine Mill has been acquired by C. R. Miller of Dallas, who has purchased the major portion of the stock from J. B. Earle, as well as holdings from other interests. The mill is capitalized at \$150,000, and it is understood there will be no material changes in its organization. Attention will be directed at first to catching up with unfilled orders. The plant employs 160 operatives and is running day and night.

Lyerly Hosiery Mills Organizing.

Chattanooga, Tenn.—Papers of incorporation will soon be filed here for the Lyerly Hosiery Mills, with an initial capital stock of \$100,000. Interests identified with the new enterprise include W. B. Davis, G. H. Miller, Charles A. Lyerly, Jr., C. N. Woodworth and Z. C. Patten, Jr. A site for the mill has not yet been selected, but it is understood that a modern plant will be erected at St. Elmo. It is the plan of the company to produce exclusively ladies' fine, full-fashion silk hose.

TEXTILE

Big Organization to Form Southern Cotton Warehouse and Compress System—Project Will Involve \$2,500,000.

Atlanta, Ga.—Atlanta interests, including Asa G. Candler, Jr., and W. H. Glenn, plan to organize the Southeastern Compress & Warehouse Co. for the purpose of operating a cotton warehouse and compress system, to include units in a number of Georgia, Florida and Alabama cities. The project, it is said, will involve \$2,500,000, and will embrace a total of 18 warehouses and 16 compresses. The new company will be capitalized at \$350,000 with authority to increase to \$2,500,000.

The combined capacity of the warehouses is approximately 750,000 bales, although the company expects to handle double that amount of cotton in the course of a season. The Candler warehouse in this city is the largest unit of the system. Properties of the Atlantic Compress Co. and the Shippers' Compress Co., both of this city, are also included in the system. Certain of the warehouses will be operated under the bonding system provided for by Federal laws, this plan to prevail at points where the demand for such service is sufficient.

[Telegram to Manufacturers Record.]

Atlanta, Ga., August 23.

Warehouse and compresses to be consolidated by Southeastern Compress & Warehouse Company are located as follows: In Georgia—Albany, Athens, three in Atlanta, Augusta, Columbus, two in Macon, Millen, three in Savannah, Thomasville, Toccoa; in Alabama—Dothan, Montgomery, Troy, Opelika; in Florida—Pensacola. These properties formerly belonged to Shippers' Compress Company, Atlantic Compress Company and Atlanta Warehouse Company. New company will do a cotton storage and compress business, issuing bonded receipts covering cotton while in storage.

ASA G. CANDLER, JR.

\$5,000,000 Textile Plant at Lyman Begins Production—Mills Arranged for Future Extensions.

Discussing the recent reported enlargement of the new \$5,000,000 Pacific Mills textile plant at Lyman, S. C., which is beginning operations, Edwin F. Greene of Boston, treasurer of the mills, writes the MANUFACTURERS RECORD:

"Our plant at Lyman is arranged for extension, but we have no immediate plans for any enlargement. We have great confidence in the ability of this plant to produce goods of the best quality and at a low cost, and therefore, as the years go on, that this will become one of our principal units, but we naturally wish to await definite results before adding to our investment. The plant is starting up in a very promising way and we are much pleased with the production as it is beginning to come through."

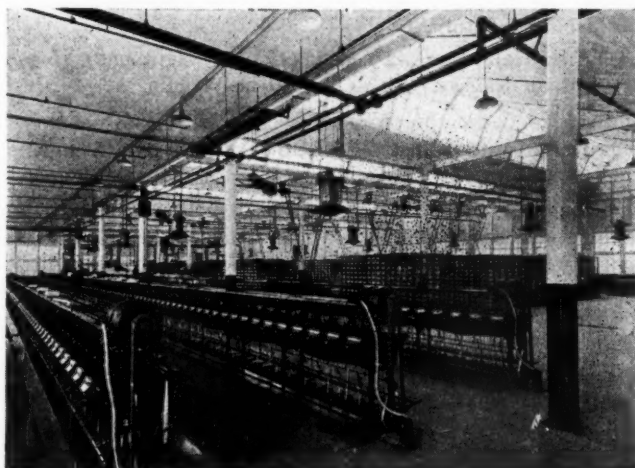
As previously detailed in the MANUFACTURERS RECORD, the Pacific Mills development at Lyman includes cotton sheeting mill, bleaching and finishing works, storehouse and more than three hundred dwellings for employees. The plant has a total floor space of approximately 500,000 square feet, including cotton mill and storehouse. The main mill building houses 32,000 spindles, with accompanying looms, for the production of wide sheetings, its construction consisting of a structural steel skeleton, with interior and exterior columns encased in concrete.

The plant is served by connections from the main line of the Southern Railway and from the Piedmont & Northern Railroad which passes through the property. Lockwood, Greene & Co., engineers, of Boston and Atlanta, have handled the project in its entirety.

New Republic Mill to Produce Cotton and Silk Mixtures.

The new No. 3 mill of Republic Cotton Mills at Great Falls, S. C., recently completed, will manufacture fine cotton and silk mixtures for lingerie, draperies and lamp shades. For the present cotton yarns ready for weaving will be purchased, but the silk will be raw and will be processed in the mill. In the future it is planned to build a 30,000-spindle spinning mill to provide cotton yarns.

The mill building is single story, of reinforced concrete and daylight construction, with saw-tooth roof, 655 feet long by 267 feet wide. Roof construction is hollow tile with reinforced concrete ribs supported by iron girders, set in concrete, on cast iron columns. The hollow tile is covered by a cork layer, which is said to reduce heat radiation and condensation to a minimum. Interior walls and ceiling are finished with



UNIVERSAL WINDERS IN NEW MILL.

a coat of plaster, while floor construction is of tar concrete with an intermediate flooring of 2x6 pine and maple top.

Preparatory departments for silk and cotton are partitioned from the looms and are equipped in one portion with six boil-off kettles, washing tanks, skein winders and Atwood 5-B spinners, and in the other with Universal winders, Draper warpers and Saco-Lowell slashers. The weaverroom contains 1000 Draper 40-inch automatic looms, the clothroom being

equipped with Curtis & Marble sewing machines, inspecting machines and folders.

All machinery is individually driven by Westinghouse electric motors, there being approximately 1250 small motors in the building. Power is purchased.

J. E. Sirrine & Co., engineers, of Greenville, S. C., designed



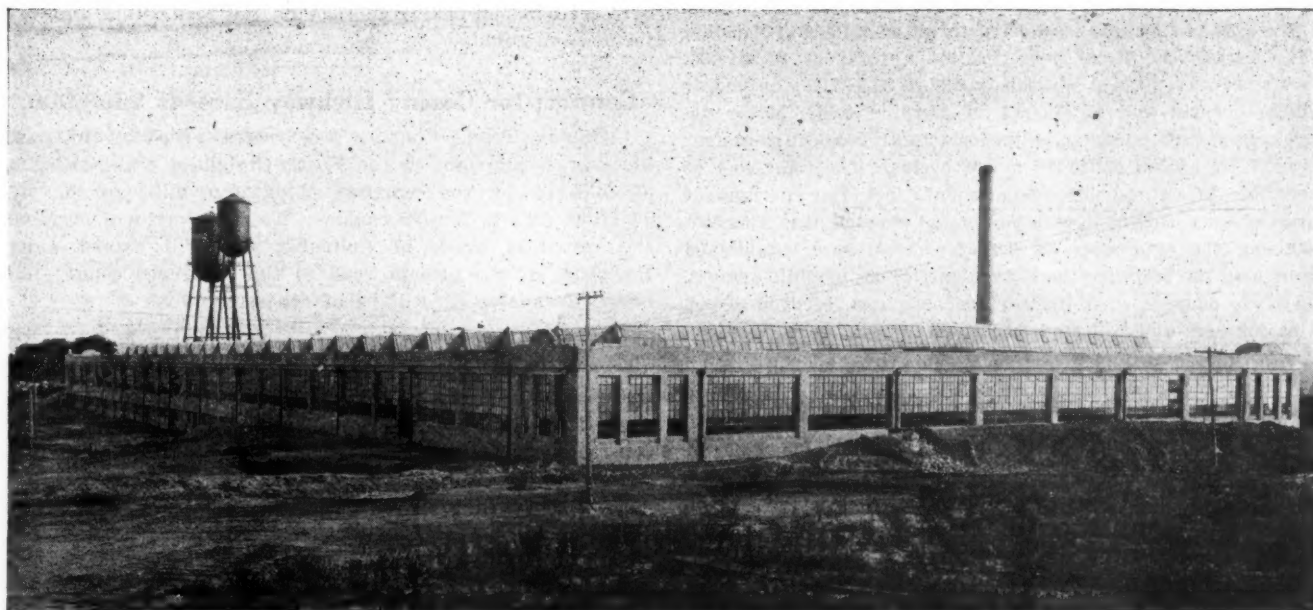
VIEW OF WEAVE ROOM.

the plant, and Potter & Shackelford, also of Greenville, were the building contractors. Huntington & Guerry, Greenville, installed electrical equipment; Parks-Cramer Co., Charlotte, N. C., humidifying system, heating and sprinkler systems; Johns-Manville, Inc., New York, refrigerating system, and David-Lupton Sons Co., Philadelphia, steel sash.

Three Hosiery Mills Purchased.

Lenoir City, Tenn.—Three hosiery mills of the Taubel-Scott Co. located at Lenoir City, Cleveland and Morristown, all in Tennessee, have been purchased by Charles H. Bascom, a mill owner of London, Tenn. The purchase price has not been announced.

It is stated that the three mills have a daily output of 7500 dozen pairs of hosiery.



REPUBLIC COTTON MILL No. 3, RECENTLY COMPLETED AT GREAT FALLS, S. C.

GOOD ROADS AND STREETS

Promoting Plan for 700-Foot Motorway—Memorial Road Would Connect Houston and Galveston.

Galveston, Texas.—Plans being developed by Dr. J. M. Head of Houston contemplate the construction of a scenic motorway 700 feet wide to connect Houston and Galveston and to be dedicated as a memorial to soldiers who lost their lives in France. The plan contemplates a right-of-way 700 feet wide, with an esplanade 100 feet wide, and a motorway 25 feet on each side of the esplanade. A circle would center the motorway at every mile.

Lots of one acre would be laid out on each side of the motorway and developed for high-class residences, drainage ditches to be provided for removing all surface water. The motorway, it is said, would be a toll road, but the deed to each lot would carry a perpetual right to use the road free of charge. Plans for the project have been prepared by Stroughton & Stroughton, landscape architects, of New York and Winnipeg.

\$3,000,000 Bridge Program for South Carolina.

Columbia, S. C.—A tentative program for bridge construction in South Carolina during the next two years as outlined by the state highway commission calls for the expenditure of approximately \$3,000,000. Of the total to be expended it is expected that the counties will contribute \$1,000,000, and as it will not be feasible to complete all proposed bridges in the next two years, it is estimated that not more than \$1,500,000 of state funds will be required in 1925 and 1926.

Bridges to be built include a \$300,000 structure over the Santee River on route 40, and one across the Sampit River to cost \$120,000. One of the larger projects will be the construction of the Yauhannah bridge over Pedee River, estimated to cost \$450,000. Other important projects will be a \$380,000 bridge over Santee River on route 4; \$500,000 bridge over the Congaree River, and a \$300,000 bridge over the Beaufort River in Beaufort county. In addition to these, a large number of smaller bridges will be constructed in various parts of the state.

Auto and Gas Taxes Yield Big Sum.

Raleigh, N. C.—According to a statement by the Secretary of State, North Carolina collected in automobile and gasoline taxes during the fiscal year 1923-24 a total of \$7,954,000. This sum was divided on the basis of \$3,975,000 on motor vehicle licenses and \$3,979,000 on gasoline sold. Motor vehicles operating under paid licenses total 260,667 passenger cars, 24,879 trucks and 1488 motor cycles. The total cost of operating the automobile department, including permanent improvements, cost of license plates and postage, was \$361,561.

During the past year 38 branch offices were established throughout the state for the convenience of automobile owners, and these offices issued 162,000 license plates, secured 86,000 titles for cars and collected \$2,500,000.

Maverick County to Expend \$500,000.

Eagle Pass, Tex.—An engineer will soon be engaged by Maverick county to prepare plans for highway improvement, bonds in the amount of approximately \$500,000 having already been voted. Work will begin on the Meridian highway, between San Antonio and Laredo, to connect at Dilley. Maj. W. F. Huston of San Antonio, division engineer of the state highway department, and L. P. Sawyer of Del Rio are in charge of the maintenance of Maverick county district.

Paving Brick Shipments Advance.

Shipments and production of vitrified paving brick for the month of July showed increases of several millions, while stock on hand and unfilled orders showed declines as compared with the month of June, according to the monthly statistical report of the National Paving Brick Manufacturers' Association.

Twenty-four companies, representing 62 per cent of the total tonnage capacity of the industry, report operations for the month at 81 per cent of their normal monthly capacity.

Production for July was 31,452,000, as against 24,998,000 for June. Shipments were 31,300,000 for July and 27,786,000 for June. Stock on hand was 110,286,000 the last day of July, as against 111,637,000 the last day of June. Unfilled orders declined from 99,314,000 the last day of June to 92,237,000 the last day of July.

Ohio lead all states in consumption for the month, closely followed by Kansas, Illinois and Pennsylvania.

San Antonio Plans \$400,000 Worth of Paving.

San Antonio, Tex.—Plans are being prepared by I. Ewig, city engineer, for street paving in San Antonio, the city having bond funds of \$400,000 available. Bids will soon be invited for paving portions of ten streets, and in addition Mr. Ewig will shortly have plans ready for widening a section of South Flores street from 50 to 82 feet and a section of Market street from 40 to 80 feet.

It is expected that plans will be ready within thirty days for the construction of a steel and concrete bridge over San Antonio River on North Presa street. Paul Steffler is the street commissioner.

Over \$1,783,000 in Kentucky Road Contracts.

Frankfort, Ky.—Contracts have been awarded by the State Highway Commission at its office in this city for road and bridge construction and maintenance to an amount exceeding \$1,783,000. Work covered by these contracts will include the construction of 90 miles of roads and four bridges and 40 miles of maintenance.

A delegation from Madison county has obtained approval of the commission for the early construction of three miles of the Richmond-Lexington road on the East Dixie highway in Madison county.

Contract for County Highway Exceeds \$300,000.

Columbia, Tenn.—Contract has been awarded by the state highway department to the Foster-Creighton Co., Nashville, at \$324,142, for the construction of 10.16 miles of the Mt. Pleasant pike in Maury county. The highway will begin at the corporate limits of Columbia and will extend along the route of the present road to the Lawrence county line below Rockdale. It will be of concrete.

Missouri Road Contracts Total \$700,000.

Jefferson City, Mo.—Contracts have been awarded by the State Highway Commission at its office in this city for the construction of roads in various parts of the state which will cost more than \$700,000. The cost of gravel and graded earth roads will total \$616,787, while concrete construction will total \$80,191 and asphalt \$5822.

It is announced that Federal aid may be extended for the construction of a highway between Excelsior Springs, Mo., and Richmond, Mo., a distance of 14.5 miles.

LUMBER AND BUILDING MATERIALS

Lumber Industry Maintains Improved Position.

Washington, August 21.—The national lumber movement was not able to maintain during the week ending August 16 the accelerating pace it had set in preceding weeks, says the National Lumber Manufacturers' Association. All three factors, of production, shipments and orders fell off, as compared with the previous week, on the basis of telegraphic reports from 337 of the larger commercial sawmills of the country. However, the number of reporting mills was 22 less than for the preceding week, so that the decrease is more apparent than actual. Even as the figures stand, new business gained 46,000,000 feet, or nearly 25 per cent over the corresponding week of 1923. Due to the expansion of demand in the last six weeks, the cumulative orders for the year are now only 184,000,000 feet less than for the first thirty-three weeks of 1923, which was an extraordinary year for the lumber industry.

Of the reporting mills, 315 have a total normal production for the week of 203,127,473 feet, according to which actual production last week was 98 per cent of normal production, shipments 94 per cent and orders 113 per cent thereof.

For all the comparably reporting mills, shipments last week were 95 per cent and orders 114 per cent of actual production. For the Southern Pine mills these percentages were 114 and 118, respectively, and for the West Coast mills 88 and 123.

Unfilled order reports are lacking from the West Coast mills, but 116 Southern Pine mills report their orders on hand at the end of last week as 237,880,500, as compared with 235,199,250 feet at the end of the preceding week.

Details of the West Coast lumber movement are lacking for last week, but production gained, while shipments and orders showed considerable declines.

The following table compares the national lumber movement as reflected by the reporting mills of seven regional associations for the three weeks indicated:

	Past Week	Corresponding Week 1923	Preceding Week 1924 (Revised)
Mills	337	387	359
Production	214,615,328	255,693,480	221,324,244
Shipments	202,924,988	220,898,064	215,362,903
Orders (new business)	243,905,312	197,737,789	257,014,239

The following figures compare the reported lumber movement as reflected by the same group of mills as above for the first 33 weeks of 1924 with the same period of 1923:

	Production	Shipments	Orders
1924	7,513,325,591	7,488,574,889	7,279,611,386
1923	7,837,635,684	8,021,498,363	7,463,437,052
1924 Decrease	324,310,093	532,923,474	183,825,666

Thirteen mills of the California White and Sugar Pine Association report a cut of 16,417,000 feet last week, shipments 12,466,000 and orders 10,811,000. The reported cut represents 34 per cent of the total of the California Pine region.

The Southern Pine Association wires from New Orleans that for the 116 mills (12 fewer than the week before) reporting, shipments were 13.98 per cent above production, current orders 18.03 per cent above production and 3.55 per cent above shipments. Of the 72 mills reporting running time, 60 were on full time, including 9 reporting overtime, 2 were shut down and the rest operated from one to five days.

The Western Pine Manufacturers' Association of Portland, Ore., reports a slight gain in production, shipments almost stationary and a noticeable increase in new business.

The California Redwood Association of San Francisco (with 3 more mills reporting this week than for last) reports a good gain in production, shipments almost doubled, while new business increased about 60 per cent.

The North Carolina Pine Association of Norfolk, Va., reports a marked reduction in all three factors, due probably to the fact that ten fewer mills reported this week than for last.

The Northern Hemlock and Hardwood Association of Oshkosh, Wis., (in its softwood production) shows some gain in production, shipments about the same and a heavy decrease in new business.

The Northern Pine Association of Minneapolis reports a slight decrease in production and shipments; new business showed a small gain.

Lone Star Chapter No. 6, Royal Arch Masons, Austin, Texas, has engaged W. E. Ketchum, Austin, and James B. Davies, Fort Worth, as associate architects for its proposed temple.

LUMBER MOVEMENT FOR THIRTY-THREE WEEKS, AND FOR THE WEEK ENDING AUGUST 16.

	Production		Shipments		Orders	
	1924	1923	1924	1923	1924	1923
Southern Pine Association:						
Total	2,532,942,505	2,552,283,699	2,535,874,210	2,635,135,486	2,513,078,353	2,448,781,050
Week (116 mills)	66,278,176	76,674,512	75,546,900	72,449,944	78,228,150	64,878,331
West Coast Lumbermen's Ass'n:						
Total	3,042,746,031	3,246,636,435	3,193,850,312	3,482,771,561	3,053,545,282	3,304,395,462
Week (117 mills)	89,866,372	105,962,031	79,254,123	93,808,790	110,977,962	89,453,281
Western Pine Manufacturers Ass'n:						
Total	1,019,107,086	921,581,000	934,313,638	838,105,000	932,061,000	770,700,000
Week (33 mills)	28,564,000	33,306,000	22,397,000	21,570,000	26,375,000	17,150,000
California Redwood Association:						
Total	282,578,000	293,829,000	227,153,000	301,701,000	222,169,000	293,129,000
Week (15 mills)	8,348,000	10,692,000	8,357,000	9,862,000	8,774,000	6,209,000
North Carolina Pine Association:						
Total	250,369,718	291,610,250	251,465,195	307,752,716	216,630,751	241,329,640
Week (34 mills)	6,762,380	10,221,537	5,956,065	8,236,130	4,830,200	8,500,177
Northern Hemlock and Hardwood:						
(Softwood) Total	87,096,000	84,723,000	75,190,000	85,160,000	61,084,000	76,665,000
Week (14 mills)	2,528,000	2,268,000	1,477,000	1,849,000	595,000	1,333,000
Northern Pine Manufacturers Ass'n:						
Total	298,486,251	347,274,300	270,728,534	272,368,600	281,043,000	238,782,900
Week (8 mills)	10,337,400	14,890,400	8,092,900	10,570,200	11,885,000	8,277,000
General Total for 33 weeks:						
(Softwood)	7,513,325,591	7,737,937,684	7,488,574,889	7,922,994,363	7,279,611,386	7,373,783,052
Northern Hemlock and Hardwood:						
(Hardwood) (33 weeks)	144,207,000	99,698,000	99,521,000	98,504,000	90,695,000	89,654,000
California White and Sugar Pine:						
(33 weeks)	598,946,000*	452,554,000*	481,229,000*
General Total for week	214,615,328	255,693,480	202,924,988	220,898,064	243,905,312	197,737,789

*Revised figures for 33 weeks; not included in General Totals.

MECHANICAL

A Light Weight Excavator.

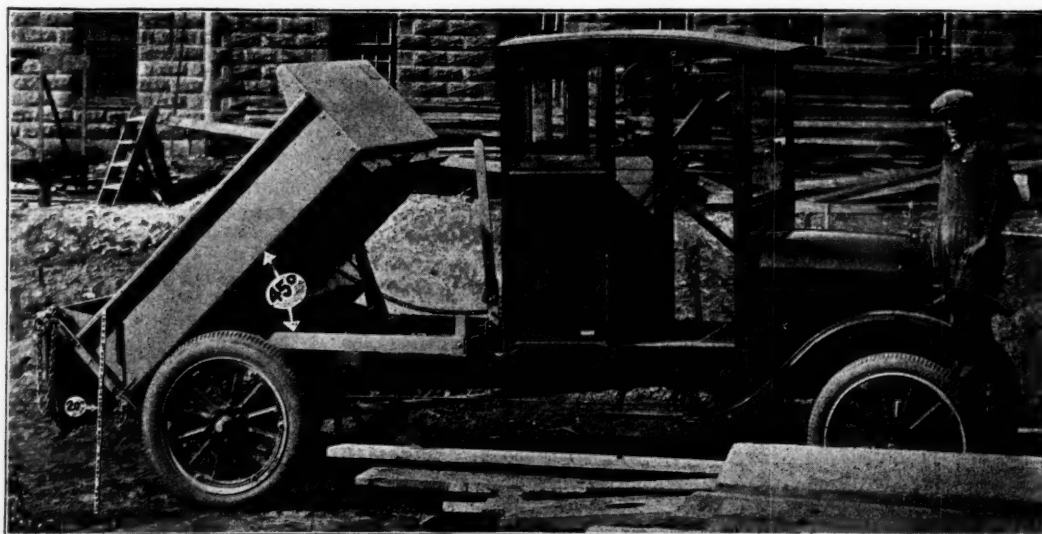
A new model one-man excavator, which is a low-priced machine to be operated by one man, as its name indicates, is shown in the illustration herewith. It handles either a $\frac{3}{8}$ -yard shovel, a $\frac{1}{2}$ -yard clamshell bucket or a dragline, and is designed to fill the gap between hand labor and high-priced excavating equipment. It is made by the Bay City Dredge Works of Bay City, Mich., and represents a number of changes and improvements as compared with their old



NEW MODEL MACHINE IN USE

model machine of this type. In the first place, it is lighter in weight than the old model, yet it is more sturdily built and takes up less room in a pit. Other important changes are the installation of the Hercules four-cylinder power unit, replacement of belt drive by direct gear and pinion drive connection to the motor, the elimination of the swing drum, swing cable and A-frame cross-bar by a worm gear slewing arrangement at the bottom of the boom.

The front mast has been eliminated so that there is nothing in front of the operator, and the size of the rear wheels has been increased. A square dipper handle has been substituted for the round dipper handle and the front A-frame is constructed of steel instead of timber. The roof is also of



HOW THE NEW BODY LOOKS WHEN DUMPED.

metal instead of wood. The steering wheel has been placed directly behind the operator so that he can do his own steering, and he may use the wheel for a seat when the machine is not in motion.

The framework of the excavator is firmly riveted together instead of being bolted, and the new model is shipped completely assembled, with the exception of the caterpillars and wheels, which must be removed when the excavator is loaded upon a flat car.

It is interesting to note a report from the manufacturers of the work done by an excavator of last year's model in tearing up an old stone road. The contractors at first tried to tear it up by using a tractor and a road plow without success, but the light weight excavator, it is stated, handled the job nicely and excavated two miles of this work in less than two months.

Gravity Quick-Dump Truck Body.

To satisfy the demand among general contractors and road builders for a well-built, gravity truck body of good quality with high ground clearance and an efficient operating device the Rocker Dump Quick has been designed by engineers of the Heil Company, Milwaukee, Wis. This new body has a capacity of one yard, which can easily be increased by adding extra sides. The body is 5 feet 6 inches long and tapers in width from 4 feet $1\frac{1}{2}$ inches to 3 feet $10\frac{1}{2}$ inches. Its height is $14\frac{3}{4}$ inches. The tailgate ground clearance when load is dumped is 20 inches.

There is a positive catch on the operating lever, and when it is released the body rolls back on the rocker cradle to the full dumping position, where it is held by a stiff-leg locking bar that does not depend on gravity or the momentum of the body to be thrown into a locked position; it is actuated by a connection to the body. This connection keeps the stiff-leg from recoiling and will prevent the body from unexpectedly dropping back to the chassis frame. The tailgate is thrown wide open automatically.

To bring the body down into position again, the operating lever is pulled once more and the chain connected to it disengages the stiff-leg locking bar. On each side of the body are hold-down bars which prevent the body from bumping up and down on uneven roads and from swaying from side to side when the truck is moving rapidly. The Heil-Ford Rocker Dump Quick rocks on a smooth track, and it does not depend upon gear teeth, notches, rivet heads or pins to keep it in line on the track. The dumping movement is guided by a link bar on each side of the rocker, and these link bars keep the body in line on the track regardless of how twisted the position of the truck may be.

The manufacturers state that this new body can be easily and quickly mounted upon a standard Ford chassis frame with U-bolts, which are furnished, and the bodies are now being made in large quantities. Other special units also regularly made include ash and rubbish body, garbage body, gravel body and coal body, all of them having the underneath hand hoist. There is also an ice body, a gasoline truck tank and a sprinkler tank body.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.
An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$20.00 a year.

Bridges, Culverts and Viaducts

Fla., Clearwater—Details under Construction News—Road and Street Construction.

Fla., Palm Beach—State Highway Comsn., Tallahassee, J. L. Cresap, Engr., and R. L. McCarley, Chmn. of Board of Palm Beach County Comms., plan new Dixie Highway bridge over Loxahatchee River near Jupiter.

La., Baton Rouge—City Council awarded contracts for concrete culverts as follows: C. B. Stewart, 406 Third St., Baton Rouge, Center St. canal at \$47,530 and South Boulevard at \$25,152; J. B. McCrary Co., Atlanta, Ga., Annette Street culvert at \$7231, West Street culvert, \$4093, and Canal Street culvert, \$9093; Thibodeaux & Harrison, Baton Rouge, Witting Street bridge, \$2087; H. A. Forrest, New Orleans, East Branch Goose Hollow \$5162.

Fla., St. Augustine—City Plan Board has recommended construction of \$600,000 bridge across Matanzas River to City Comms.; suggests bond issue to provide funds.

Fla., Sarasota — Plans for the Ringling Causeway have been completed by R. M. Cantey, Engr., for Owen Burns, providing for causeway and bridge from mainland to Long Boat Key; contract for placing of piling will call for completion within 30 days and that for draw-span will specify that it must be in place by December 15.*

Fla., Tampa—Details under Land Developments.

Louisiana—Austin Bros. Bridge Co., Dallas, Tex., awarded contract by Louisiana State Highway Comms. for 33 bridges near Ponchatoula, on Hammond-New Orleans highway, \$180,000.

La., Harrisonburg—Police Jury of Catahoula Parish, H. M. Krause, Pres., Sicily Island, La., requests bids for toll bridge across Ouachita River.

Ga., Ludowici—Long County, G. M. Harrington, Engr., will receive bids Sept. 2 for bridge over Taylor's Creek, 3 pile bent wood bridge, dirt approach, 14 ft. by 200 ft. with 434 ft. approaches.*

Ga., Savannah—Savannah Foundation Co., Chatham Artillery Bldg., awarded contract by County Comms. at \$6311 for Herb River bridge abutment improvements.

Kentucky—State Highway Commission, Frankfort, received bids on 4 bridges Aug. 21. For details see Construction News—Road and Street Construction.

La., Slidell—Chamber of Commerce, E. P. Harley, Pres., W. L. Folse Sec., interested in building bridge or causeway across Lake Pontchartrain.

Md., Elkton—State Roads Comsn., 601 Garrett Bldg., Baltimore, Md., will receive bids August 26 to build reinforced concrete girder bridge in Cecil County, Cont. Ce-46.

Miss., Coffeeville—Board of Supervisors of Yalabusha County will receive bids Sept. 8 for bridge over Long Beach Creek on Oakland-Water Valley Road; concrete and steel

bridge over O'Tuckolofa drainage canal; W. B. Hunter, Chancery Clerk, Water Valley, Miss.

Miss., Jackson—Chamber of Commerce will meet representatives of U. S. Engineer's Office on Sept. 16 to discuss reconstruction of bridge over Pearl River.

Missouri—State Highway Comsn., Jefferson City, has awarded contract for highway bridge in Carter County to Kansas City Structural Steel Co., 704 Orear-Leslie Bldg., Kansas City, for \$126,008.

Missouri—State Highway Dept., Jefferson City, awarded contracts for 30 bridges as follows: Macon County, 231-F, over Sand Branch, to J. A. Carlson, Florence, Neb., at \$6984; over Stinking Creek to J. A. Carlson, Florence, Neb., at \$6560; 231-P. C., over West Fork of Charitan River, to Pioneer Construction Co., Kansas City, at \$15,794; over Mussel Fork, to Pioneer Construction Co., Kansas City, at \$13,934; over Charitan River drainage ditch to Pioneer Construction Co. at \$18,794; over Brush Creek to Pioneer Construction Co. at \$13,728; 231-D, over stream on state road from St. Joseph to Hannibal to C. P. O'Reilly & Co., St. Louis, at \$8844; 231, 231-E, over Mussel Creek to C. P. O'Reilly & Co., at \$5827; 231-C, over overflow of Mussel Fort to Pioneer Construction Co. at \$14,368; 231-A, over Salt River to J. A. Carlson, Florence, Neb., at \$14,602; 231-B, over East Fork Charitan River to J. A. Carlson, Florence, Neb., at \$21,212; 231-B, over Duck Creek to J. A. Carlson, Florence, Neb., at \$6844; Dent County—over Gladden Creek to Wilson Construction Co., Warrensburg, Mo., at \$6566; Adair County—over Floyd Creek to B. Layton, Kirksville, Mo., at \$6431; Andrew County—over creek to Albert Hood, Independence, Mo., at \$4781; over 102 River to Albert Hood at \$34,832; over overflow of 102 River to Albert Hood at \$9955; Audrian County—over Young's Creek to Felix Kersting Co. at \$14,619; Crawford County—over Boone Creek to Felix Kersting Co. at \$4745; Carter County—over Current River to Kansas City Structural Steel, Kansas City, at \$114,553; Lafayette County—over Davis Creek to C. T. Fogle Construction Co., Jefferson City, at \$16,396; over Black Jack Creek to C. T. Fogle Construction Co. at \$14,811; over Davis Creek, C. T. Fogle Construction Co. at \$4863; Lewis County—over Durgens Creek to Wilson Construction Co., Warrensburg, at \$15,257; Jefferson County—over Head's Creek to St. Louis Construction Co., St. Louis, at \$12,684; over Riley Creek to Montague Construction Co., Carbondale, Ill., at \$5014; Macon County—over overflow of Salt River to J. A. Carlson at \$88,454; over Brush Creek to J. A. Carlson, Florence, at \$10,548; Cooper and Howard Counties—Asphalt floor on bridge over Missouri River to E. C. Johnson, Carrollton, Mo., at \$5292; Buckhannon County—over Malden Creek to O. H. Schmidt, Bartlett Trust Bldg., St. Joseph, at \$33,674.

Mo., Kansas City—City Comms. let contract for Seventh St. viaduct over Rock Island and Kansas City Terminal Railroad to Daniel Munro at \$225,079.

N. C., Durham—E. A. Wood & Co., Andrews, N. C., has contract for bridges on Durham-Oxford highway, between Neuse and Tar rivers, according to Fred E. Schnepfe, Dist. Highway Engr.

N. C., Salisbury—Hooks & White, Charlotte, have been awarded contract for under pass by the Southern Railway, J. B. Akers, Ch. Engr., Maintenance of Way, at \$15,000.

Okla., Oklahoma City—City Comms. received bids for 39th St. bridge as follows: Boardman & Co., Okla. City, \$71,260; T. H. White, Okla. City, \$62,975; A. A. Davis, \$63,876; Gantt-Baker, \$61,884; all of Oklahoma City; General Construction Co., St. Louis, Mo., \$59,700; Wood Bros., Lincoln, Neb., \$69,956; Kansas City Bridge Co., Kansas City, \$63,381.

N. C., Wilmington—Tide Water Power Co., F.A. Matthes, Executive Vice Pres., proposes causeway to link Wrightsville to Harbor Island.

Okla., Oklahoma City—Details under Construction News—Road and Street Construction.

S. C., Charleston — Cooper River Ferry Commsn. instructed J. L. Parker, State Highway Dept. Bridge Engr., to draw plans and specifications for trestle connecting Sullivan's Island and Mt. Pleasant across Cove Inlet; cost \$160,000; 1 ml. long with draw span and embankments, 27 ft. roadway for trolley cars and vehicular traffic, creosoted timber deck on substructure of concrete piles.

S. C., Charleston—State Highway Commsn. plans expending \$870,000 within next two years on bridges in completing Coastal Highway, and \$3,000,000 bridges in the state generally, counties to furnish \$1,000,000.

Tenn., Clinton — Anderson County Court plans bridge over New River; considering bond issue.

Tenn., Huntington—State Highway Commsn. has awarded contract to W. C. Baird Co. of Nashville for bridges on Bristol-Memphis highway at \$72,000.

Tenn., Johnson City—City Commsn. awarded contract to Municipal Paving Co. for bridges on Lamont and Baxter Sts.: concrete, \$20.00 cu. yd.; steel, 7.5 cents per lb.; rock excavation, \$6.00 per cu. yd.

Tex., Austin—Travis County, Geo. F. Mathews, Judge, will receive bids Sept. 13 for concrete and steel drainage structures, Turnerville road, 305 cu. yds. Class A concrete, 36,800 lbs. reinforcing steel, 14,300 lbs. structural steel; also for structures on Fitzhugh road, 134 cu. yds. Class A concrete, 9000 lbs. reinforcing steel, etc.; O. Leonard, County Engr.

Tex., Austin — Travis County Comms. awarded contract to Richard Schmidt for concrete bridge near Creedmoor at \$9399.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tex., Carrizo Springs—Dimmit County has awarded contract for 100-ft. steel span bridge with concrete approaches over Nueces River to W. L. Pearson & Co., McAllen; James G. Lott, Engr.*

Tex., Fort Worth—Details under Road and Street Construction.

Tex., Galveston—John M. Merch, County Auditor, will receive bids this week for 3 pile trestles and bridge approach.

Tex., Galveston — Galveston County will soon request bids for two creosoted timber trestles 28 ft. long and 1 trestle 290 ft. long; C. C. Washington, Engr.

Tex., San Antonio — City, Paul Steffler, Street Commissioner, will receive bids soon for steel and concrete bridge across San Antonio River on North Presa St.; I. Ewig, Engr.

Tex., San Antonio—Bexar County received low bid from J. L. Black, San Antonio, for concrete bridge across Elm Creek; Augustus McCloskey, County Judge.*

Tex., San Antonio—City, Engineer I. Ewig, has plans under way for 2 bridges: Market and 4th Sts. across San Antonio River, estimated cost \$70,000, concrete and steel; John W. Tobin, Mayor.

Tex., Victoria—Victoria County Comms. Court rejected proposal to build \$11,400 bridge together with State Highway Comms. on Victoria-Goliad road.

Va., Portsmouth—City, P. J. Jorvey, Mayor, interested in overhead bridge at High St. crossing, Belt Line railroad; estimates now being prepared.

W. Va., Charleston — Kawanha County Court has decided to remove superstructure of Sissonville bridge and place it on new piers 2 miles below present location; will be replaced by new structure by State Road Comms.; will probably be undertaken 1925.

W. Va., Keyser — State Road Comms. will receive bids at office of B. E. Gray, Sept. 8, for 20-ft. span, concrete slab bridge across Johnson's Run at Petersburg.

Canning and Packing Plants

Ala., Tuscaloosa—West Alabama Packing Co., capital \$25,000, incorporated by W. A. Harris, F. R. Harris and F. S. Jackson.

Miss., Corinth—Corinth Chamber of Commerce and Alcorn Strawberry Assn. reported interested in establishment of canning plant.

Tex., El Campo—Chamber of Commerce reported interested in establishment of fig cannery.

Clayworking Plants

La., New Orleans — Standard Brick and Clay Products Co., Thomas Parker, Pres., 913 Whitney-Central Bldg., have acquired brick manufacturing plants of Salmen Brick and Lumber Co.

Tenn., Memphis—Pollard Clay Co., 626 Cotton Exchange, capital \$300,000, incorporated by J. A. Pollard, J. E. Johnson, L. F. Harrell.

Tex., Brownsville — Valley Clay Products Co., capital \$100,000, incorporated by A. A. Highbarger, J. C. Bennett and Fred Ruteberg.

Va., Charlottesville—Charlottesville Brick Corporation, Seven and a Half St., S. W., R. H. Cook, Mgr., will erect addition to plant, daily output 60,000 brick; brick and steel, install \$18,000 equipment, including 4 down-draft kilns; address equipment proposals to R. H. Cook.*

Coal Mines and Coke Ovens

Ala., Birmingham—Lawson-Bray Coal Co., 904 N. Forty-fifth St., incorporated by R. V. Lawson, J. D. Bray and others.

Ala., Birmingham—Pratt Fuel Corporation

has consummated deal for acquisition of 25,000 acres of coal land in Walker County from Jagger Coal Co.; have consolidated with W. B. Parker, Sec.-Treas.*

Ala., Birmingham—Alabama By-Products Corp., Morris Bush, Pres., American Trust Bldg., reported to soon let contract for construction of \$1,000,000 addition to by-product coke oven plant at Tarrant City, increase the plant one-third present size; will increase coke output to 1350 tons daily, benzol output to 130,000 gal. monthly and other by-products to corresponding increase. Company advises: Alabama By-Products Corp. is adding one-third in capacity to its plant at Tarrant City; after completion of additional plant will have an output of 1350 tons of coke per day or 40,500 tons of coke per month; ovens will be of Koppers type, same design as present plant; new ovens will be completed and ready for operation March, 1925.

Ky., Owensboro—Jennie Wilson Coal Co., 326 W. 7th St., organized with Jennie Wilson, Pres.; Geo. S. Wilson, Sec.; has 600 acres coal land under development; daily output 600 tons.*

Ky., Virgie—Rogers Elkhorn Coal Co., capital \$50,000, incorporated by T. T. Rogers, T. E. Rogers, both Virgie; T. G. Rogers, Greenville, Ky.

Okla., Miami—Tri-State Coal Co., capital \$10,000, incorporated by Hobart L. Cheyne, W. B. Larrimore and J. L. Stratton.

Tex., Trinidad—Texas Power & Light Co., Interurban Building, Dallas, Tex., reported to have taken option on 1400 acres land, will develop lignite beds; will probably build electric power plant.

W. Va., Clarksburg—Allied Coal Co. acquired mining plant and 79.56 acres coal land in Clay district, Harrison County, including rights and equipment.

W. Va., McMechen—Duffy Brothers Coal Co., capital \$10,000, incorporated by L. A. Duffy, M. P. Duffy and others.

W. Va., Wellsburg—Manufacturers Gas Coal Co., capital \$50,000, incorporated by E. E. Carter, Wellsburg; W. H. Conoway, 200 Adams St., Fairmont, W. Va.

Concrete and Cement Plants

Ala., Ragland—National Cement Co. will rebuild plant, burned at loss of \$1,000,000. Company advises: Rebuilding program includes steel and concrete warehouse, same construction for machine shop and bag house; placing contracts; rebuilding operation under full swing.

Ala., Florence—Florence Concrete Products Co., J. L. Buefler, Pres., Commerce St., will erect frame 60 ft.x44 ft. building, concrete floors, sheet iron roof.*

Fla., Ojus—Ojus Block Co., Inc., R. L. Mason, Pres., has 30x50-ft. frame building; manufacture cement blocks; daily output 1600; let contract to Thos. W. Noble & Co., Chicago, Ill., for block machine.

N. C., Kinston—Caroline Dunntile Co. organized with L. L. Mallard, Pres.; M. L. Shealy, Sec.-Treas., W. Washington St.; have begun construction of 50x100-ft plant, concrete tile and frame, composition roof, cost \$6000; install \$10,000 equipment, portion of which is furnished by W. E. Dunn Mfg. Co., Holland, Mich.; plans for steam work upon request; steam equipment contract not placed; manufacture concrete Dunntile, culverts, etc.; Wm. J. Snyder, Const. Engr., Philadelphia, Pa. (See Machinery Wanted—Rails; Cement Coloring Pigment; Silica Sand; Bolders and Pipe).*

N. C., Wilmington — Acme Construction Co., capital \$100,000, incorporated by W. M. Atkinson, J. Barclay Lodor, W. L. de Rossett.

Tex., Lufkin—Lufkin Concrete Brick and Tile Co., Inc., capital \$10,000, chartered by Mrs. G. H. Cumming, D. M. Fuller and Mrs. Hazel C. Filler.

Tex., Mercedes—American Land & Irrigation Co., Harry Seay, Pres., Weslaco, Tex., reported to erect \$15,000 tile plant.

Va., Norfolk—International Cement Corp., 342 Madison Ave., New York, recently acquired plant from the Giant Portland Cement Co., and new construction will begin probably in September; plans not fully completed, advises Baxter D. McClain, Sec.

Cotton Compress and Gins

Ga., Atlanta—Southeastern Compress and Warehouse Co., capital \$350,000, incorporated by Asa G. Candler, Jr., Candler Bldg., W. H. Glenn and others; to operate cotton warehouse and cotton compress system in number of Southeastern cities, including Atlanta, Macon, Savannah, Augusta, Albany, Toccoa, Thomasville, Montgomery, etc. Wire from Asa G. Candler, Jr., states: "Warehouse and compresses to be consolidated by Southeastern Compress and Warehouse Co. are located as follows: in Georgia—Albany, Athens, three in Atlanta, Augusta, Columbus, two in Macon, Millen, three in Savannah, Thomasville, Toccoa Warehouse Company. New company will do a cotton storage and compress business, issuing bonded receipts covering cotton while in storage."

N. C., Fayetteville—North Carolina Cotton Compress and Storage Warehouse Co. incorporated with S. W. Cooper, Pres.; G. T. Brooks, Sec.

N. C., Greensboro—J. E. Latham Co., Dixie Bldg., will erect two gin, 8-saw system on Third and Virginia Ave.

N. C., Ore Hill—Ore Hill Gin Co., capital \$100,000, incorporated by R. M. Morell, C. F. Houston and R. L. Edwards.

Tenn., Henderson—Talley's Store, Gin & Mill Co., capital \$10,000, incorporated by J. D. Anderson, D. A. Sewell and Frank Robertson.

Tex., Sanford—Alexander Gin Co. incorporated by J. M. Alexander, C. M. Francis, M. L. Williams.

Cottonseed-Oil Mills

Ala., Montgomery — Alabama Cotton Oil Co., capital \$150,000, incorporated with John T. Stevens, Pres., Kershaw, S. C.; E. T. Allen, Sec., Montgomery; formed to acquire oil mill and gin of American Cotton Oil Co. on North Decatur St.*

Ga., Louisville—Whigham & Bethea have acquired Louisville Oil Mill; will improve and operate.

S. C., Union—Union Oil Co., capital \$25,000, incorporated with B. F. Kennedy, Pres.; B. F. Alston, Sec.

Tex., Dallas—Plano Cotton Oil Co., capital \$54,000, incorporated by H. C. Dollahite, L. M. Levy and others.

Tex., Ennis—Planters Cotton Oil Co., Inc., capital \$300,000, incorporated by J. O. Chapman, Homer N. Chapman and Rush Hickman.

Tex., Snyder—Fuller Cotton Oil Co., lately noted incorporated with \$250,000 capital, M. A. Fuller, Pres.; has acquired assets of Fuller Cotton Oil Co.*

Drainage and Irrigation

Fla., Moore Haven—Diston Island Drainage Dist. will probably open bids Oct. 18 for construction of 65 mi. of 12x16-ft. canal, 9 mi. of 50x10-ft. and 3 mi. of 35x10-ft. canals, estimated total cost \$181,022; reclaiming about 19,908 acres for agriculture.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Electric Light and Power Plants

Ala., Birmingham—Alabama Power Co., Thomas W. Martin, Pres., let contract to Nashville Bridge Co. (Birmingham plant) at approximately \$100,000 for fabricating 800 tons of material for 110,000 volt steel transmission line towers; towers will be 40 to 60 ft. high of type now in use; will construct 30 miles of double circuit lines in different parts of state in 1925.

Ala., Camden—Details under Ice and Cold Storage Plants.

Ala., Selma—City is having survey made by Alabama Power Co. for installation of white way system on Broad and Water Sts.

Ark., Evening Shade—Central Power & Light Co., Walnut Ridge, Ark., will extend transmission lines, expend approximately \$1,000,000 on improvements in the next two years.

Fla., Lee—Town Council is contemplating installing carbide system of lighting.

Fla., Miami—Details under Land Developments.

Fla., St. Petersburg—City Comsn. let contract at \$9214 to Cuyler & Mohler, 611 Washington St., Baltimore, Md., for supplying city with approximately 69,000 ft. of galvanized water and gas pipe and to Macon Sewer Pipe Works, Macon, Ga., for approximately 18,000 ft. of 4 and 6-in. terra cotta drain pipe.

Fla., South Jacksonville—Details under Water Works.

Fla., Tampa—Details under Land Developments.

Ga., Augusta—City Council voted adoption of ordinance to provide for leasing of water power of Augusta canal for 10 yrs. beginning March 7, 1926 and to provide for development of hydro electric power.

Ga., Conyers—Milstead Manufacturing Co. let contract to Hook & White, Charlotte, N. C., to construct hydroelectric dam on Yellow River; cost \$50,000.

Ga., Waycross—City will electrify waterworks system. Address The Mayor.

La., Lake Charles—Lake Charles Electric Co., Inc., Joseph Bowers, Mgr., has taken over properties of Lake Charles Railway, Light and Water Works Co., Lake Charles Gas Co., Inc., and City Delivery Co., Ltd.; are installing addition to water main system in city and will probably make additions to water system including filtration plant, settling basin, storage reservoirs, etc., also additions to gas plant; plans not fully decided.*

Md., Baltimore—Consolidated Gas & Electric Co., Herbert A. Wagner, Pres., Lexington Bldg., announces that plans are under way for improvement of Gould St. property and contracts will soon be left for first unit costing \$4,000,000 of a \$9,000,000 powerhouse development; plant will generate 60,000 h.p. ultimately be increased to 140,000 h.p.; will award sub-contracts for various work and contract for material; and preparation of land for building site will be started immediately.

Miss., Shuqualak — Details under Water Works.

Miss., Water Valley—City is planning to install white way system. Address The Mayor.

Mo., Mexico — Missouri Power and Light Co. granted permission by State Public Service Comsn., Jefferson City, to sell \$1,200,000 certificates to be used for extensions and improvements and refunding indebtedness.

Mo., New Franklin—Missouri Power & Light Co., Mexico, Mo., has acquired New Franklin Electric Co.'s plant; will construct transmission line from Boonville to New Franklin.

Mo., Pleasant Hill—West Missouri Power Co. authorized by Public Service Comsn., Jefferson City, to issue bonds to acquire Fort Smith and Nevada Light, Heat, Water and Power Co.

Mo., Republic—City has granted electric light franchise to Jared Woodfill, Aurora, Mo.

Mo., Senath—City Council interested in installation of white way system.

Okla., Apperson—Sand Springs Water, Light and Power Co., Sand Springs, Okla., has acquired lines and equipment of Apperson Power Co.; will supply light and power; convert old plant into ice factory.

Okla., Braman — Details under Water Works.

N. C., Lexington—City, Paul R. Raper, Clk., will issue \$25,000 electric light bonds, \$25,000 sewer bonds and \$50,000 water bonds.

Okla., Pond Creek—United Power Co., capital \$100,000, incorporated by Calvin A. Jones, 619 E. Ninth St., Oklahoma City; Nathan L. Jones, Salina, Kan.; C. E. Kapp, Chandler, Okla.; has acquired plants and franchise for light and power in 9 towns in Northwest Oklahoma.

Tex., Houston—Details under Land Developments.

Tex., Littlefield—City granted 20 year franchise to R. E. McCaskell of Electra, Tex., for electric light plant.*

Tex., San Antonio—Details under Land Developments.

Tex., Vernon—City, Harry Mason, Mayor, will open bids Sept. 9 for installation of light and water plant. (See Machinery Wanted—Generator Set.)

Va., Bristol—City voted ratifying contract with Edmondson Power & Electric Co. for supplying light and power; plans constructing dam at Avan's Ford on south fork of Holston River about 14 miles from Bristol and run power lines to city.*

Va., Portsmouth—City, J. P. Jervey, Mgr., will soon call for bids for extension of white way on Middle St.

Fertilizer Factories

Ala., Inglenook, P. O. Birmingham—Rodd Chemical & Nitrate Co., Inc., capital \$400,000, chartered by Wm. P. Rodd, W. H. Kettig, 2747 Niazuma Ave., and others.

Fla., Tampa—Lyons Fertilizer Co., lately noted incorporated with \$250,000 capital, Chas. W. Lyons, Pres., is remodeling and enlarging plant.

Flour, Feed and Meal Mills

Ala., Attalla—Alabama Mill & Grain Co., Birmingham, Ala. will probably rebuild plant, burned at loss of \$75,000.

Ala., Camden—Details under Ice and Cold Storage Plants.

Mo., Springfield—Middle States Milling Co. incorporated by W. W. Coover, R. E. Laughlin, 1303 E. Delmar St., B. F. Bain.

Okla., Shawnee—Shawnee Milling Co., capital \$500,000, incorporated by J. Lloyd Ford, L. D. Ford, C. H. Ennis.

Foundry and Machine Plants

Ky., Louisville—International Bolt Co., capital \$150,000, incorporated by James H. Richmond, 131 Coral Ave.; John E. Creely, Wm. M. Duffy.

Tenn., Knoxville—Tennessee Tool Works, Inc., increased capital from \$25,000 to \$50,000; changed name from D. A. and B. Tire Tool Co.

Gas and Oil Enterprises

Ala., Birmingham—Standard Oil Co. let contract to Welded Products Co. Seventh Ave. and Twenty-seventh St., for steel storage tanks.

Ala., Talladega—City Comsn. awarded to Stacey Bros. Mfg. Co., Cincinnati, for gas holder, scrubber and other purifying equipment, 75,000 cu. ft. capacity, furnish 200,000 cu. ft. gas daily; cost \$75,000.*

Ark., El Dorado—Earl Massey Co., capital \$25,000, incorporated with Earl Massey, Pres.; W. E. Nelms, Sec.

Fla., Ocala—Magnolia Corporation chartered with E. H. Martin, Pres.; M. J. Johnson, Sec.

Fla., Pensacola—Sherrill Terminal Co. organized with J. H. Sherrill, Pres.; C. B. Watson, Sec.; lately noted having acquired Texas Oil Co.'s harbor storage properties.*

Fla., Plant City—Texas Company, C. M. Price, Traveling Auditor, reported to establish wholesale plant.

La., Lake Charles—Details under Electric Light and Power Plants.

Mo., Kansas City—Paramount Petroleum Co., 215 Garfield Park, capital \$10,000, incorporated by L. C. Hickox, M. E. Nichols and F. R. Nichols.

Mo., St. Louis—Red Dragon Oil Co. incorporated by A. R. Chappell, 5801 Enright, Hardesty T. Topping, Planters Bldg., and others.

Okla., Cement—Cement Gas & Fuel Co., capital \$60,000, incorporated by R. B. Crawford, Oil City, Pa.; R. A. Crawford, 5444 Gaston St., Dallas, Tex.; Thos. Woods, Cement.

Okla., Douglas—Digges Oil Co., capital \$16,000, incorporated by Olney F. Flynn, 608 S. Cincinnati; D. D. Morgan, Robt. Conklin.

Okla., Shamrock—City Gas & Power Co., capital \$30,000, incorporated by E. L. Woodley, H. B. Hill, Edw. L. Woodley, Jr.

Okla., Tulsa—Casoli Investment Corp., chartered by H. E. Abbott, 4 Olathe Apts.; M. K. Denny, A. R. Avery.

Okla., Tulsa — Digges Oil Co., capital \$10,000, incorporated by K. R. Holm, 1018 Kennedy Bldg., M. F. Breene and others.

Okla., Tulsa—United Drilling Co., capital \$40,000, incorporated by J. R. Reichard, Oilton, Okla.; J. W. Cree, 301 Texas Bldg., and Tom Rozelle, both Tulsa.

Okla., Tulsa—Honeyton Petroleum Co., capital \$10,000, incorporated by J. W. Whitney, 316 Atlas Light Bldg.; C. M. Langston, A. B. Monnold.

S. C., Greenwood—Grenco Oil Co., capital \$25,000, incorporated by G. P. Sloan, W. T. Bailey and H. L. Allen.

Tex., Amarillo—Dixon Creek Oil Co., lately noted incorporated with \$150,000 capital, with S. D. McElroy, Pres.; has 1100 acres and will develop.*

Tex., Baytown, P. O. Goose Creek—Humble Oil & Refining Co., main office Houston, Tex., has under construction rehabilitation of 4 stills of battery B for topping crude oil, also new battery and cracking coils; has completed work on battery of vacuum stills for making high grade oil, and is constructing twenty 80,000 bbl. storage tanks.

Tex., Eastland—Mid-States Oil & Gas Corp. chartered by Jesse Allen, J. C. Harris, Jr., S. W. Key.

Tex., Greenville—Greenville Gas & Fuel Co., Wayne W. Meisner, plant Supt. contemplates installing water gas machine increasing manufacturing and distributing capacity to 600,000 cu. ft. daily.

Tex., Houston—Details under Land Developments.

Tex., Liberty—Winfree Oil Co., capital \$20,000, incorporated by Wm. Winfree, W. B. Roan and E. B. Pickett, Jr.

Tex., Woodsboro—Seagraves & Moody of Galveston will construct 12-in. natural gas pipe line from producing wells to Houston and Galveston, about 200 miles.

W. Va., Charleston—Cherokee Oil & Gas Co., capital \$10,000, incorporated by J. E. Staton, 1208 Elmwood Ave., F. M. Staton, E. J. Thomas, Citizens Natl. Bank Bldg.

W. Va., Huntington—Huntington Gas Co. organized by Albert E. Pierce, Chicago; J. A. Pierce, 220 Sixth Ave., Huntington, to take over properties of Huntington Development and Gas Co.

Ice and Cold-Storage Plants

Ala., Camden—Liddell Power Co., G. D. Liddell, Pres., let contract to C. E. Morris, Brundage, Ala., to remodel old building; installed \$25,000 equipment, including 100 h.p. ice plant, oil engine, 75 KVA alterator, grist mill, pumping station; equipment furnished by Carbondale Machinery Co., Carbondale, Pa., and Fairbanks, Morse Co., 900 S. Wabash Ave., Chicago, Ill.*

Georgia—H. D. Pollard, Gen. Mgr. Central of Georgia Ry., Savannah, Ga., reported as making surveys in state for location of icing plant; H. D. Pollard advises investigation is being made looking toward establishing plant for refrigerating cars for peaches in Middle Georgia, location not yet decided upon; Central of Georgia will only be concerned in trackage to serve plant.

Ga., Atlanta—Atlanta Ice & Coal Corp., Washington St., will erect 200-ton daily capacity ice manufacturing plant; details not completed.*

Ky., Owensboro—Owensboro Ice Co. will erect cold storage plant with capacity 1500 lbs.; one story; 60x40 ft.; brick construction; cost \$18,000.

La., Shreveport—Schuster Wholesale Produce Co., 508 Commerce St. will construct \$55,000 storage vaults.

N. C., Charlotte—The Zima Corporation, capital \$25,000, incorporated by John E. Toole, 907 West Trade St.; Charles W. Smith, Frank W. Elliott.

N. C., Enfield—Town, contemplates erecting ice plant. Address The Mayor.

Okla., Apperson—Details under Electric Light and Power Plants.

Tex., Ferris—Ferris Ice & Fuel Co., capital \$9000, incorporated by J. V. Metz, J. S. Wester, W. G. Anderson.

Tex., Waco—Wm. C. Abeel and associates will erect \$15,000 building on N. Fourth St. and Tennessee; 70x160-ft. L at 75x105-ft., brick, cement floors, tar and gravel roof, construction to begin about Dec. 1; will install ice making and delivery equipment, to be purchased; daily output of plant 50 tons; Roy E. Lane, Archt., Chamber of Commerce Bldg.; Warren G. Miller, Const. Engr.*

Iron and Steel Plants

Ala., Birmingham—Woodward Iron Co. has acquired big tract of land at Bessemer; reported company will establish steel plant; Frank H. Crockard, Pres.

Ala., Gadsden—The Alabama Co. let contract to construct 3 mi. railroad track from the Etowah mines to the furnaces in North Gadsden.

Maryland—Bethlehem Steel Corp., F. W. Roberts, Gen. Mgr., Baltimore, Md., has under construction at Sparrows Point plant, 12 additional tin plate mills, bringing total to 36 mills; practically all work being undertaken by company forces after plans by own engineers; cost several million dollars.*

Land Development

Ala., Birmingham—Waldridge Terrace Land Co., incorporated by E. Wald, Jacob Berger, Phil Dorn, 810 Tusc Ave.

Ala., Birmingham—Franklin Patton Real Estate & Insurance Co., capital \$10,000, incorporated by L. R. Patton, Hugh Franklin, Jr., 3925 Cliff Road, and others.

Ala., Birmingham—Diamond Land Co., capital \$18,000, incorporated with Ben Marino, 2101 Seventeenth St., Pres.; Vito Graffeo, Sec.-Treas.

Ala., Birmingham—Elm Co., Inc., chartered by W. W. Ford, 5 N. Twenty-first St., S. D. Ingram, and others.

Ala., Birmingham—Smith-Arnold Investment Co., incorporated by Eugene M. Smith, F. G. Arnold, 4002 Summitt Ave., M. B. Donelson.

Ark., El Dorado—Arlington Realty Co., capital \$100,000, incorporated by L. B. Leigh, A. G. Kahn, T. P. Marks.

Ark., Fort Smith—E. O. Simpson, Pres. Parks and Playground Assn., interested in development of golf links.

Fla., Arcadiz—Curtiss-Bright Cattle Co., Miami, Fla., acquired 28,500 acres of land on cross state highway; will develop for cattle ranch and game preserve.

Fla., Bradentown—F. Emory Sharp and associates will develop subdivision on 40-acre site; construct roads and streets, etc.

Fla., Chattahoochee—Chattahoochee Development Co., capital \$10,000, incorporated with C. F. Mullen, Pres.; M. A. Van Landingham, Sec.

Fla., Clearwater—Gulf Realty Corp., capital \$20,000, incorporated with Geo. W. Bean, Pres.; A. W. Gage, Sec.

Fla., Daytona—Hamilton-Robinson, Inc., chartered with \$10,000, incorporated with J. L. Robinson, Pres.; C. H. Gardiner, Sec.

Fla., DeFuniak Springs—M. Sullivan has acquired and will develop 280 acres of land for subdivision.

Fla., Deland—Sewell Realty & Development Co., lately noted incorporated \$50,000 capital, J. C. Sewell, Pres.; will develop 80,000 acres for subdivision; will install water works, roads and streets, etc., R. C. Parks, Archt., Ray Parks, Contr.*

Fla., DeLand—V. M. Fountain Co., incorporated with V. M. Fountain, Pres.; V. M. Fountain, Jr., Sec.

Fla., Eustis—City voted \$25,000 bonds for park improvements. Address The Mayor.*

Fla., Fort Pierce—J. R. Odom & Co., Macon, Ga. has acquired 17 acre tract and will develop, construct paved streets and all city conveniences.

Fla., Jacksonville—Securities Investment Co., capital \$500,000, incorporated with Paul B. Shaw, Pres.; J. H. Addington, Sec.

Fla., Key West—William M. Morris, New Bedford, Mass., reported to have acquired 475 acres of land on Key Largo and will develop for subdivision.

Fla., Kissimmee—Thos. R. Bond, 14 E. Lexington St., Baltimore, Md., and associates interested in development of 5000 acre tract of land for subdivision, erect clubhouse, etc.

Fla., Miami—Dade County voted \$100,000 bonds for fair grounds. Address County Commrs.*

Fla., Miami—New Homosassa Land Co., capital \$100,000, incorporated by Fred W. Vanderpool, Pres.; John T. Oxtoby, Sec.

Fla., Miami—Orange State Development Co., capital \$500,000, incorporated by C. Benton Dean, Pres., 201 Clayton Bldg.; Lilly B. Dean, Sec.

Fla., Miami—Royal Realty Co., capital \$25,000, incorporated with R. F. Burdine, Pres., 1452 Brickell Ave.; Lavon C. Goetz, Sec.

Fla., Miami—L. D. Llewellyn, Inc., capital \$100,000, chartered with L. D. Llewellyn, Pres., 410 N. E. 17th St., Terrace; C. D. Wilson, Sec.

Fla., Miami—J. E. Rose & Co. acquired 10 acres between Alafia and Palm Rivers and will develop for Portland Place subdivision, pave streets and install other improvements.

Fla., Miami—Horace D. Peck, Pres. of Robert L. Stewart Co., Inc., owners and developers of Coral Nook, will soon let contract for streets, electrical work, water works, etc.; let contract to Exotic Gardens for park improvements.

Fla., Miami—I. Cohen of Pittsburgh, Pa., has acquired 10-acre tract of land on Arch Creek and will develop.

Fla., Miami—W. B. Roborough has acquired 20-acre tract and will develop for subdivision.

Fla., Miami—C. E. Tumlin, Townley Bldg., has acquired 40-acre tract of land in Hialeah and will develop for homesite.

Fla., Orlando—Mather-Wiley Co., capital \$50,000, incorporated with Cotton Mather, Pres.; L. L. Wiley, Sec.

Fla., Orlando—West and Co., capital \$25,000, incorporated with E. M. West, Pres.; Mabel L. West, Sec.

Fla., Sarasota—A. Stanley Lampp, Englewood, Fla., acquired 50-acre tract and will develop for subdivision.

Fla., Sarasota—Long Boat Key Golf Assn. will develop golf course, construct clubhouse, pools and showers, etc.; W. I. Johnson, Jr., Golf Archt.

Fla., Sarasota—Gulf View Park Co., capital \$150,000, chartered with H. Pantuck, Pres.; A. Pearlman, Sec.

Fla., South Jacksonville—Details under Water Works.

Fla., St. Petersburg—W. F. Grose, Columbus, O. acquired 5000 acres of land on and near Lake Butler and will divide into small farming tracts; T. E. Leeper, Sec. of J. M. Cosgrove Co., 525 Central Ave., will have charge of work.

Fla., Tampa—T. Roy Young is developing Beach Park for subdivision; will install electric lights, roads and streets.

Fla., Tampa—Jones-Blank Realty Co. and associates have acquired option on 241 acres of land on Old Tampa Bay and will develop for subdivision.

Fla., Tampa—J. D. Rosenthal, Inc., capital \$25,000, chartered with F. A. Cameron, Pres.; J. D. Rosenthal, Sec.

Fla., Tampa—Ybor City Land & Improvement Co., capital \$50,000, incorporated with Peter O. Knight, Pres.; C. Fred Thompson, Sec.

Fla., Tampa—W. B. Gray, B. C. Skinner, W. F. Stovall, and associates acquired 2800 acres between Alafia and Palm Rivers and will develop for subdivision; will build causeway to connect with northern shore; pave roads; install complete system of sewerage, water works, electric lights, etc.; expend about \$1,000,000.

Fla., Tarpon Springs—Lonnquist Co., 111 W. Washington St., Chicago, Ill., John A. Taylor, local representative, St. Petersburg, will develop 700 acres of land along the Anclote River.

Fla., Vero—Vero Tropical Nursery, capital \$100,000, incorporated with R. F. Guthrie, Pres.; N. E. Dale, Sec.-Treas.

Fla., West Palm Beach—United Realty Corp., capital \$100,000, chartered with James A. Westby, Pres.; J. H. Follette, Sec.

Fla., West Palm Beach—Broward Investment Co., capital \$100,000, incorporated with G. W. Bingham, Pres.; Bert Winters, Sec.

Fla., Winter Haven—W. R. Bridgett of Danville, Ill., has acquired 7000 acres of muck land and will develop.

Fla., Winter Haven—G. Duncan Bruce has had plans prepared by Reasoner Bros., Oneco, Fla. for development of Villa Park subdivision, 22 acre tract.

Ky., Lexington—City will vote in November on \$800,000 park bonds. Address The Mayor.

Ky., Pineville—Smith-Hamilton Realty Co., capital \$10,000, incorporated by J. D. Smith, L. L. Hamilton and Birdie L. Smith.

La., Baton Rouge—Westdale Golf Club will develop 50-acre tract for golf course and clubhouse.

Md., Baltimore—The Sigmund Apartment Co., 809 Equitable Bldg., capital \$50,000, incorporated by Isidore Goldberg, John W. Mentzer and Maurice M. Leavitt.

Md., Ocean City—Isle of Wight Land Co., capital \$100,000, incorporated with Sherman E. Agars, Pres., Phila., Pa.; C. Edward Shute, Sec., Ocean City, Md.; will develop 3000 acres of land in Worcester County; improvements to begin Sept. 1; cost \$250,000; John A. Bromley Constr. Engr.

Miss., Tupelo—B. A. Rogers, B. W. Reed and associates will develop tourist park, equip with modern conveniences.

Mo., Kansas City—Blue Valley Development Co., 6060 Commerce Bldg., J. W. Dana, Pres., will develop 60 acres for residential sites; Dan C. Hayne, Constr. Engr.*

Mo., St. Louis—Lloyd Real Estate & Insurance Agency Co., capital \$10,000, incorporated by David Jones, 3615 Utah Place; Milton Daugherty, 5040 Murdock Ave. and others.

N. C., Asheville—Laurel Terrace Co., capital \$100,000, incorporated by Chas. G. Lee, Trench C. Cox, Jr., 10 Battery Park Place, Chas. G. Lee, Jr.

N. C., Blowing Rock—W. L. Alexander acquired 617 acres of land from Blowing Rock Development Co. including golf course of Green Park Hotel, will develop, revamp golf course, etc.

N. C., Rockingham—Gore & Seate, Inc., capital \$50,000, chartered by Claude Gore, C. W. Seate and others.

S. C., Beaufort—Woodville Farms, capital \$25,000, incorporated with H. E. Cain, Pres.; L. C. Barker, Sec.

S. C., Spartanburg—George J. Mann, 291 S. Liberty St., has acquired 7½ acres of land and will develop for subdivision.

Tenn., Chattanooga—Mrs. Dora Davis Allen, 407 Cedar St., acquired 90 acre tract of land will develop for subdivision.

Tenn., Chattanooga—Signal Mountain Development Co., capital \$2,000,000, incorporated by W. D. Almazov, New York, and others; to establish motion picture colony and develop land on Signal Mountain.*

Tenn., Chattanooga—Levine Realty Co., lately noted incorporated with \$50,000 capital, has acquired tract of land in Riverview and will develop for subdivision.*

Tenn., Knoxville—Neubert White Sulphur Springs, Inc., capital \$150,000, chartered with D. H. Jenkins, Pres., 994 Gratz St.; J. P. Edmondson, Sec.; will develop Neubert Springs property, construct swimming pool, lake for boating and fishing, tennis courts, golf links, etc.

Tenn., Memphis—Homer K. Jones, Falls Bldg., acquired 400 acres of land on Forest

Hill Road; will develop; construct polo and golf course, etc.

Tex., Beaumont—Magnolia Improvement Co., capital \$35,000, incorporated by J. D. Edwards, H. M. Hargrove, 1414 Broadway; J. T. Shelby.

Tex., Dallas—A. P. Stewart & Co., 4704 St. Johns Drive, interested in development of 200 acres at Preston Road and Lovers Lane for subdivision; will construct 100-ft. boulevard, etc.

Tex., Houston—Riverside Development Co. C. M. Malone, 4116 Yoakum Blvd., Pres., is developing Riverside addition on Alameda road; will pave streets, install water works, electric lights, sewers, drainage and domestic gas system.

Tex., Houston—Country Club Estates, capital \$399,750, Hugh Potter, Pres., Houston Country Club, has total acreage of about 1000 acres and will develop 188 acres at present time for River Oaks subdivision; will construct concrete and asphalt paving, storm sewers connected with city, cost \$100,000; water works and mains, cost \$40,000; electric system connected with City-Houston Light and Power Co.; telephone systems, bridle paths, parks, etc.; total cost of development over \$500,000; John F. Staub, Archt., Union National Bank Bldg., Houston; Smith Bros., 2402 W. Dallas St., and Youmans & High, Contrs., both Houston; H. A. Kipp, Constr. Engr., 2nd National Bank Bldg., Houston; Have and Have, Landscape Archt., Kansas City, Mo.*

Tex., O'Donnell—W. McCarty Moore, 5015 Ross St., Dallas, acquired 7680 acres of land in Lynn and Terry Counties will subdivide and develop in 160 acre tracts; work under supervision of Newman Land & Development Co., Magnolia Bldg.

Tex., San Antonio—Joe Kendell has acquired 150-acre site and will develop for subdivision; will construct streets, install water, electric lights, sewers, etc.

Tex., San Antonio—C. & G. Hagelstein, 217 St. Marys St., George Hagelstein, Pres., will develop 510 acres of land near Medina Lake for lodge and camp sites; will survey roads, construct dirt and rock ballasted streets, wharves, floating swimming pool, septic system of sewerage disposal, water supply, Delco lighting system; expend \$40,000.*

Va., Driver—F. N. Warrington, Inc., chartered with F. M. Warrington, Pres.; C. E. Warrington, Sec.

Va., Norfolk—Northern Ghent Realty Corp., capital \$50,000, chartered with Benj. Spigel, Pres.; David Samler, Sec., 550 Mayflower Rd.

Va., Winchester—Ridgewood Orchards, Inc., capital \$10,000, chartered with W. P. Massey, Pres., Winchester; C. S. Ralston, Sec., Blacksburg, Va.

W. Va., Huntington—Albemarle Heights Co., capital \$15,000, incorporated by J. B. Marshall, 111 W. Third St., J. Frank Eaton, and others.

Lumber Enterprises

Ala., Powhattan—Jordan-Davis Lumber Co. incorporated by P. E. Jordan, C. G. Davis and others.

Fla., Brooksville—Hammond & Co., capital \$50,000, incorporated with E. H. Hammond, Pres.-Gen. Mgr.; E. H. Hammond, Jr., Sec.

Fla., Haines City—Prine-Wadsworth Lumber Co., capital \$75,000, incorporated with J. C. Prine, Sr., Pres.; J. C. Prine, Jr., Sec.-Treas.

Fla., Sarasota—Sarasota Builders Supply Co., capital \$15,000, incorporated with Louis C. Rivas, Pres.; F. W. Russell, Sec.

Ky., Roxana—George Hogg has acquired

hardwood timber land will develop, erect sawmills.

Miss., Hattiesburg—Overstreet Veneer Co., capital \$50,000, incorporated by J. H. Overstreet, Geo. M. Calhoun and others.

Miss., Purvis—Forest Lumber Co., capital \$125,000, incorporated by D. W. Slay, F. H. Gordon, T. W. Davis.

Mo., St. Louis—Wiles-Chipman Lumber Co., Kingshighway and Manchester St., let contract to E. A. Steininger Constr. Co., 607 Laclede Gas Bldg., to erect one-story sawmill, 113 ft.x200 ft., at 1306 S. Kingshighway, cost \$30,000.

Tex., Call—The Kirby Lumber Co., Great Southern Bldg., Houston, Tex., let contract to Hardie-Tynes Manufacturing Co., 800 N. 28th St., Birmingham, Ala., for 800 h.p. heavy duty balanced valve twin engine for installation at new hardwood mill building.

Tex., Houston—Bailey Lumber Co., capital \$60,000, incorporated by O. C. Bailey, C. J. McCarty, Oscar Fridh.

Metal-Working Plants

Tex., Dallas—Atlas Metal Works, 2201 Houston St., will erect \$40,000 factory building, all steel, construction by owner.

Mining

Ark., Bethesda—Batesville White Lime Co. reported to have begun development of limestone property, to manufacture lime products, expend approximately \$200,000 on plant, quarry, industrial railroad, etc., establish mining town to be known as Limedale.

Fla., Miami Beach—Miami Sand & Rock Co., capital \$20,000, incorporated with W. Raymond Calloway, Pres.; Paul J. Rutan, Sec.

Florida—Southern Phosphate Corp., H. E. Bowers, Asst. Sec., 25 Broad St., New York, contemplate beginning mining operations on Banana Lake property probably about first of year; installation of equipment will be handled by organization.*

Miss., Sardis—Tallahatchie Gravel Co., capital \$15,000, incorporated by K. E. Taylor, C. U. Irvine, M. F. West.

Miss., Tupelo—Tombigbee Gravel & Sand Co. have acquired sand and gravel pits at Bigbee; will develop.

Mo., St. Louis—Pioneer Silica Products Co., capital \$25,000, incorporated by J. B. Berge, T. R. Reyburn, A. H. Sullivan, Arcade Bldg.

Okla., Mountain Park—Glenwood Granite Co., capital \$100,000, incorporated by W. M. Britton and E. L. Kern, both Custer City; C. P. Parsons, Mountain Park.

Tenn., Ducktown—Ducktown Sulphur, Copper & Iron Co., Ltd., Isabella, Tenn. reported to install sintering plant for reclamation of iron from copper ore; company advises: "Press report that we are planning to install a sintering plant in the near future is premature."*

W. Va., Altman—Crandall Mining Co., O. M. Crandall, Charleston, W. Va., has 600 acres under development, daily output 200 tons; will install mining equipment.* (See Machinery Wanted—Cars (Mine).)

Miscellaneous Construction

Fla., DeLand—Volusia Country Fair Grounds Assn. let contract to J. B. McCrary Co., Atlanta, Ga., for construction of half-mile track with banked turns; to Blount Bros. for removing stumps on fifty acres comprising the fair grounds; has plans by W. J. Carpenter for grandstand of steel, wood and concrete construction, containing quarters for ball players, recreation rooms, dressing rooms, etc.; also plan erecting auditorium, building

for kennel show and other structures; James N. Howe, Committee on landscaping.

Fla., Lake Worth—Inlet-Dist. Commrs. let contract to Waldeck Deal Dredging Co., Cook's Dock, of Miami, Fla., at \$414,958 for future stages of construction on Lake Worth inlet.*

Fla., Miami—Incinerators—City let contract to Nye Odorless Crematory Co. of Macon, Ga. at \$52,000 for two units of incinerators.*

Fla., Miami—Yacht Basin—Director of Public Service, Ernest Cotton, will receive bids for erecting nineteen piers, varying in length from 40 to 357 ft. allowing for the docking of 114 boats; dredging of basin let to Clark Co.

Fla., St. Petersburg—Seawall—Ernest Fitch, Director of Public Works, will construct new seawall from Coffee Pot Bayou to Bayboro Harbor; no definite plans have been proposed; work to be done in near future.

Fla., St. Petersburg—Traffic Signals—City Comsn. will receive bids Sept. 15 for traffic signal system for police department.

Fla., St. Petersburg—Lighthouses—Government will construct three wrought iron, automatic burning acetylene gas lighthouses in Tampa Bay.

Fla., South Jacksonville—Dock—Details under Water Works.

Fla., Tampa—Seawall—Hillsborough County Commrs. will re-advertise for bids to construct portion of Bayshore seawall and relative improvements outside city limits; estimated cost of entire project \$500,000; first section of seawall, side walk and curbing to be built will be from city limits to Maryland Ave.*

La., New Orleans—Wharf—Port Commrs. opened bids for removing old L. and N. R. R. wharf and construct concrete footing and walls and piling for Juliet St. wharf extension; John Ries lowest bidder at \$51,295 for walls, footings, piling, etc.; Lukens Steel Co. lowest bidder for steel work.*

La., New Orleans—Swimming Pool—Audubon Park Commsn. will remodel swimming pool; will build concrete sides for retaining coa; in Alabama—Dothan, Montgomery, Troy, Opelika; Florida—Pensacola. These properties formerly belonged to Shippe Compress Company, Atlantic Compress Company, At-walls with shell bottom; install complete filtration system, electric lighting system, etc.

La., New Orleans—Water Terminal—Dock Board and the United Fruit Co. will construct new wharf at foot of St. Joseph St. between the present Julia St. shed and Erato St. shed and to re-construct the present Erato St. wharf and shed; work will include the raising of the levee and rat-proofing of the Erato St. shed, estimated cost \$1,000,000.

Md., Baltimore—Incinerator—Board of Estimates, contemplates constructing refuse incinerator in southwestern portion of city; Howard W. Jackson, Mayor.

Md., Cumberland—Tidewall—American Cellulose & Chemical Manufacturing Co. let contract to Tri-State Engineering Co., Cumberland, to build tidewall or levee surrounding plant at Amelle, McMullen Highway; will begin at the B. & O. R. R. improvised subway on main into the plant and continue almost to the McMullen Highway; second section will completely surround the dye plant; also let contract to American Fence Co., Cumberland, for high steel and wire fence to entirely surround the company's property.

Mo., St. Louis—Subway—City, reported as contemplating authorizing \$50,000,000 bond issue for construction of subway; tentative plans call for underground station located at Eighteenth and Olive St. from which a tube

would run under Olive St. to Third St. looping at the Levee; also construction of subway loop from Eighteenth down Market St. over Third and up Washington Ave.; third tube would attend to cross town traffic; another unit in system provides for an elevated system running from Eighteenth St. west; C. E. Smith, Consol. Engr., Railway Exchange Bldg., St. Louis.

Mo., St. Louis—Retaining Wall—Board of Public Service, City Hall, will receive bids Sept. 9 to construct retaining wall and landings at Grand Basin in Forest Park.

N. C., Greensboro—City, P. C. Painter, Mgr., has plans by Brooks Engineering Co., Savannah, Ga., for abattoir, plant including equipment to cost \$40,000; will soon receive bids for construction.

N. C., Wrightsville Beach, P. O. Wilmington—Jetties—L. T. Rogers has contract for rebuilding broken end of jetty No. 5 and placing broken concrete around end of jetty No. 2.*

S. C., Charleston—Pier—Port Utilities Comsn., Herbert M. Gallagher, Gen. Mgr., let contract to Austin Bros. Bridge Co., Mickleberry St., Atlanta, Ga., at \$41,000 for steel shed and steel frame work for Union pier; substructure completed.*

Tenn., Knoxville—Swimming Pool—Details under Land Developments.

Tex., Beaumont—Docks, etc.—City will construct wharves and docks; contemplate \$500,000 bond issue; Ollie J. Blof, Sec.

Tex., Corpus Christi—Wharf, etc.—Sumner-Sollitt Co., Nat'l Bank of Commerce Bldg., of San Antonio, Tex. has begun construction of wharf and transfer shed to be built at the Corpus Christi port side.*

Tex., Dallas—Entrance Gates—Park Board let contract to J. R. Sessums & Son, 4119 Terry St., at \$12,000 to construct ornamental entrance gates to Tennyson Memorial Park; Lang & Witchell, Archts., American Exchange Bank Bldg., Dallas.*

Tex., Galveston—Dredging—Gulf Refining Co. let contract to United Dredging Co. to dredge slip at pier No. 5 to depth of 33 ft., will remove approximately 125,000 cu. yds. material.*

Tex., Navasota—Swimming Pool—T. H. Mackie, L. G. Wood and associates interested in constructing swimming pool.

Tex., San Antonio—Wharves—Details under Land Developments.

W. Va., Martinsburg—Heating Plant—George W. Appleby, Jr., has contract to install steam heating plant in local Federal building.

Miscellaneous Enterprises

Ala., Birmingham—Birmingham Nu-Grape Bottling Co., capital \$65,000, incorporated by N. T. Walsh, A. W. Gay, J. R. Payne, 1353 14th Ave., S.

Ala., Birmingham—Manufacturing Drug Co., capital \$500,000, incorporated by M. P. Northington, 2807 Niazuma Ave. J. F. Yeates, J. C. O'Dell.

Ala., Birmingham—Ford Cola Syrup Co., capital \$100,000, incorporated by J. R. Boyette, Karl Landgrebe, T. M. Crum.

Ala., Birmingham—Colby Decorating Co. Lyric Bldg., increased capital from \$10,000 to \$100,000.

Ala., Birmingham—Mills Coffee Co., Inc., capital \$10,000, chartered by Robert D. Mills, Mason Martin, 3019 Norwood Bldg.; T. C. Dobbs.

Ala., Mobile—King Bakery Co. incorporated by F. W. King, G. N. Hease and others.

Ala., Mobile—Mobile Towing & Wrecking Co., Dauphin St., increased capital from \$38,000 to \$100,000.

Ark., Fort Smith—Abattoir—Fort Smith District Board of Health, Fred C. Driver, Meat Inspector, 901½ Garrison Ave.; city and county will erect abattoir building, 50x50-ft., brick construction, concrete floors, built-up roof, asphalt and felt; will open bids Aug. 25; interested in insulation, machinery, coils, etc., for 20x20 cooler and 10 x20 pre-cooler, walls 18 ft. high; Klingensmith, Haralson & Nelson, Archts., Merchants Bank Bldg. (See Machinery Wanted—Refrigeration Machinery.)*

Fla., Bradentown—Artley-Denny Co., capital \$50,000, incorporated with Geo. V. Denny, Pres.; Fred T. Saussy, Sec.

Fla., Gainesville—Alachua Tung Oil Co., recently noted organized with W. W. Hampton, Pres., and others, reported financed by Benj. Moore & Co., 115 Broadway, New York City.*

Fla., Hialeah—Everglades Construction Corp., G. C. Adams, Pres., contemplate building filling station, repair shop and office, construction by owner; install \$16,000 equipment including ¾ yd. P. & H. shovel, Garford 1½-ton truck, Fordson tractor with mower in addition to fleet of trucks, tractors, graders, rollers, etc.*

Fla., Jacksonville—Atlantic Chemical Co., capital \$10,000, incorporated with A. S. Owens, Pres.; G. A. Price, Sec.

Fla., Lily—South Florida Fruit and Live Stock Co., capital \$10,000, incorporated with W. G. Farr, Pres.-Gen. Mgr.; W. C. Farr, Sec.

Fla., Miami—Florida Publishing Co., capital \$25,000, incorporated by Fred W. Vanderpool, Pres.; John T. Oxtoby, Sec.

Fla., Tampa—Deep Seas Canning Co., U. J. Mashburn, Pres., plans erecting plant for the manufacture of fish chowder; has acquired site on river front, equipment all purchased.

Fla., Tampa—Fire Fighting Equipment—City Comsn., B. A. Redding, Purchasing Agent, will receive bids Sept. 2 to furnish and deliver fire alarm system, etc. (See Machinery Wanted—Fire Fighting Equipment.)

Ga., Athens—Miller Cotton Storage Co., capital \$50,000, incorporated by D. F. Miller, and others.

Ga., Atlanta—Film Exchange—Oldknow Building Corp. will erect \$32,000 buildings at Walton and Cain Sts.; 2-story, reinforced concrete construction.

Ga., Columbus—Georgia Paving & Construction Co., capital \$50,000, incorporated by W. M. Camp, Columbus; 1722 Hamilton Ave., Virginia C. Barnsback, of Chicago, Ill., and others.

Ga., Dalton—Dalton Manufacturing Co., capital \$50,000, incorporated by W. C. Martin, DeWitt Miller, J. J. Copeland.

Ga., Eastman—Georgia Yam Curing Co., 59 Cone St., Atlanta, Jno. A. Manget, Pres., A. T. McNeely, Sec., will erect curing plant; frame construction, main building 50 ft.x190 ft., engine room 33 ft.x30 ft., wood floors, composition roof, cost of building \$10,000; will install one h.p. 220 volt, 3 phase, 60 cycle; two 22-in. firebox furnace; 200 ft. 22-in. metal ducts; contract for equipment let to B. F. Sturtevant Co., Boston, Mass.

Ky., Louisville—American Tobacco Co., let contract to L. W. Hancock & Co., 2900 W. Madison St. for alterations and addition to plant; estimated cost \$30,000.

Ky., Louisville—Perry Service Corp., capital \$15,000, chartered by James E. Perry, 4716 Third St., V. I. Carlen, L. V. Greene.

La., Monroe—Kaukauna Pulp Co., Kaukauna, Wis., reported to consider establishing paper manufacturing plant. Company advises: "We are not interested in any plant in Louisiana."

La., New Orleans—American Molasses Co. La. Godchaux Bldg., has under construction molasses tank in square between Levee, Chartres, Clouet and Montegut St., capacity 1,505,000 gals.; foundation formed by one thousand piles; will also erect four smaller tanks, refinery and cooperage plant.

La., New Orleans—Company is being formed by Robert H. F. Sewall, Harry H. Hathaway, and G. A. Peters, Canal-Commercial Bank Bldg., for the purpose of exploiting, developing and installing the Sewall system upon rivers of the United States.

Md., Baltimore—Baltimore Copper Smelting & Rolling Co. will short begin the erection of a new wire mill, estimated to cost \$500,000; plans are now being drawn by engineers at Baltimore plant; L. H. Landis supervising mechanical details; will shortly receive structural steel bids; address E. R. Reets, Director of Purchase, American Smelting & Rolling Co., 120 Broadway, New York City.

Md., Baltimore—Board of Estimates authorized Fire Department to proceed with erection of repair shop at Key Highway and Webster St., estimated cost \$100,000; C. H. Osborne, Inspector of Bldgs., in charge of construction.

Md., Chevy Chase—Oyster Dairy Co., capital \$1,000,000, incorporated by F. Larmour Oyster, Chevy Chase; Fairfax J. Oyster, 612 E. Capitol St., and Geo. M. Oyster, both Washington, D. C.

Md., Pocomoke City—Worcester Democrat, Edward J. Clark, Mgr., let contract to Quince Ashburn, Walnut St., to erect 24x60-ft. brick and concrete building, wood and concrete floors, slag roof; install newspaper press, folder and motors, equipment furnished by Accomac News Publishing Co., Onancock, Va.

Miss., Belzoni—J. C. Lore & Co., capital \$50,000, incorporated by J. C. Lore, R. B. Saunders and others.

Miss., Gulfport—Mississippi Cane Syrup Co. increased capital from \$20,000 to \$50,000.

Miss., Hattiesburg—Myers Construction Co., capital \$100,000, incorporated by F. T. Myers, J. A. McCan and others.

Miss., Laurel—Industries Committee, Laurel Chamber of Commerce, negotiating with Atlanta, Ga., manufacturer for establishing \$100,000 paper bag plant here. W. H. Smith wires "Not authorized to give details paper bag plant; can do so soon."

Miss., Laurel—Yates Building Co. incorporated by T. W. Yates, Sam Lindsey and others.

Miss., Natchez—Cotton Products Co., has acquired building for storage of cloth; later may equip for manufacture of shirts.

Miss., Pascagoula—Pineland Bag Corp. reported to establish plant at the old International Shipyard site; equipment purchased; manufacture paper bags from Kraft paper made at Moss Point.

Miss., Vicksburg—Leyens Illustrograph Co., capital \$25,000, incorporated by Edgar Leyens, 1104 South St.; John Brunini, and others; manufacture illustrographs and cut casters.

Mo., Cape Girardeau—Cape Girardeau Southeast Missourian let contract to Gerhardt Construction Co., for excavation for publishing plant and for foundation; contract for construction to be let about Sept. 1.*

Mo., Kansas City—Retail Lumberman Publishing Co., Gates Bldg., has acquired site at 1306 Locust St. and will erect plant.

Mo., Kansas City—Kreger Glass Co., 1428 Walnut St., capital \$25,000, incorporated by Ben Kruger, U. R. Meyers and others.

Mo., Kansas City—Cone Sundae Manufacturing Co. incorporated by Geo. P. Hart, 1809

Pendleton St.; L. Londry and Carl Brockman.

Mo., Kansas City—Contracting—Gjellafeld-Chapman Construction Co., capital \$100,000, incorporated with O. N. Gjellefeld, Pres.; J. F. Chapman, Sec.

Mo., Kansas City—Yancy Construction Co., capital \$30,000, incorporated with Sam Yancy, Pres.; E. L. Morse, Sec.

Mo., Springfield — Johnson-Fletcher Construction Co., capital \$10,000, incorporated by G. W. Fletcher, 921 S. Water St.; Fred W. Johnson, Geo. D. McDaniel.

Mo., Springfield—Springfield Laundry Co., 219 Nichols St., will erect \$10,000 addition to laundry building; brick construction; L. K. Humphries has general contract.

Mo., St. Louis—C. T. Burgess, 114 N. 7th St. will erect 2 story factory building at 311 S. Third St.; 45x100 ft.; composition roof, steam heat, cost \$12,000.

Mo., St. Louis—Soldz Garment Co. increased capital from \$10,000 to \$15,000.

Mo., St. Louis—Neher, Whitehead & Co., capital \$10,000, incorporated by LeRoy P. Neher, 5049 Kingsbury; M. N. Whitehead and G. M. Wagner.

Mo., St. Louis—Baker Paper Co., capital \$41,000, incorporated by P. H. Baker, 6250 Arundel Place; E. B. Bassett, R. G. Baker.

Mo., St. Louis—Chippewa Amusement Co. incorporated by G. J. Endler, C. S. Glaser, N. K. Engler.

Mo., St. Louis—Garage—Bilgere Realty Co., 2816 N. Grand St. let contract to Boaz-Kiel Construction Co., 705 Chouteau Trust Bldg., to erect 3-story sales and service building, 97x110-ft., wooden roof, cost \$30,000.

Mo., St. Louis—American Electric Supply & Fixture Co. incorporated by W. E. Dorman, L. A. Ayres, L. A. Lang.

Mo., St. Louis—Baur Food Products, Inc., chartered by A. Baur, S. Nusholtz and others.

N. C., Carthage—Tyson Jones Buggy Co. increased capital from \$150,000 to \$500,000.

N. C., Charlotte—W. L. Hand Medicine Co., 205 E. Trade St., increased capital to \$500,000.

N. C., Elizabeth City—Wilson Walker has acquired 60 acres on Body Road and will establish dairy.

N. C., Greensboro—Greensboro News Co. increased capital from \$100,000 to \$500,000.

N. C., Greensboro—North State Engraving Co., capital \$25,000, incorporated by Geo. H. Rider, Melville Prowgay, both Winston-Salem; E. B. Jeffress, 661 Chestnut St., Greensboro.

N. C., Greensboro—G. Allen Mebane & Co., capital \$100,000, incorporated by G. Allen Mebane, Jefferson Bldg.; T. B. Wilkinson, Banks H. Mebane.

N. C., Greensboro—Dick's Laundry Co. increased capital from \$26,000 to \$100,000.

N. C., High Point—National Soda Fountain Co., lately noted incorporated with \$30,000 capital, N. H. Irwin, Pres.; J. A. Morris, Sec.; has building and will manufacture portable soda fountain; will purchase machinery.*

N. C., Kinston—Fire Fighting Equipment—City, W. B. Coleman, Clk. will receive bids Sept. 1 for motor service ladder truck. (See Machinery Wanted—Fire Fighting Equipment.)

N. C., Raleigh—Nokol Service Corp. incorporated by A. S. Wily, R. L. Thompson, Jr., both Raleigh; F. L. Fry, 202 S. Park Drive, Greensboro.

N. C., Wilmington—Acme Construction Co., capital \$100,000, incorporated by W. L. DeRosette, W. M. Atkinson, 315 N. 3d St.; J. Barclay Lodor.

N. C., Wilson—International Planters' Corp.

of Danville, Va., and Louisville, Ky., reported to have acquired redrying plant; will operate.

N. C., Winston-Salem—George T. Penny of High Point, N. C., has acquired property of Bailey Bros., including tobacco plant.

Okla., Fort Gibson—Claude Cranston will establish news paper plant.

Okla., Oklahoma City—Offutt-Steffey Seed Co., capital \$10,000, incorporated by R. Z. Steffey, C. D. Weiss and C. M. Steffey.

Okla., Tulsa—Nokol Co. reorganized with \$10,000 capital by Harold L. Hall, 106 Midco Bldg.; manufacture oil heaters and burners.*

S. C., Florence—Florence Hotel Co., capital \$100,000, incorporated with W. P. Blackwell, Pres.; James W. Hiope, Sec.

S. C., Lancaster—Harper Pad Co., capital \$25,000, incorporated with R. S. Harper, Pres.; W. R. Moore, Treas.; manufacture collar pads, harness, etc.

Tenn., Chattanooga—Coca Cola Bottling Co., capital \$100,000, incorporated by J. S. Johnston, Elks Club; R. E. Ferrell, Geo. T. Hunter.

Tenn., Clarksville—Edgar M. Foster has acquired plant of Clarksville Leaf-Chronicle; will operate.

Tenn., Memphis—Gene Lewis-Olga Worth Co., capital \$10,000, incorporated by Olga Worth, Max Kaplan, Exchange Bldg.; Clifford Davis.

Tenn., Nashville—Tennessee Biscuit Co., 19th Ave., N., let contract to E. G. Holliday Co., to erect 2 story addition to bakery, brick and concrete construction; G. D. Waller, Archt., Independent Bldg., Nashville.

Tex., Cleburne—McClung Construction Co., capital \$250,000, chartered by G. A. McClung, N. D. Hoffman, Joe B. Long.

Tex., Dallas—U. S. Light & Heat Corp., capital \$20,000, chartered by F. C. Dunlap, G. G. Gannon, 4419 Hall St., and others.

Tex., Dallas—Southern Cotton Co., capital \$1,000,000, incorporated by J. Inouye, J. Arakwa, V. J. Wood, 5816 Gaston St., and others.

Tex., Fort Worth — Fountain-Hardy Pipe Co., capital \$10,000, incorporated by Pearl Hardy Trammell, W. H. Hardy, Jr., 1925 Hurley St., and T. L. Fountain.

Tex., Harlingen—P. H. Theis, Kansas City, Mo., and Frank N. Maars of Bristow, Okla., representatives of National Dehydration Co., Kansas City, reported to erect vegetable dehydration plant, cost \$300,000; daily capacity 400 to 800 bu. of vegetables.

Tex., Palestine—W. M. and H. V. Hamilton, publishers of Palestine Herald let contract to Wm. Kraus, Palestine, to erect fireproof publishing plant; 40x100 ft.; will install linotype equipment, printing presses and other equipment; building to be concrete, steel and brick.

Tex., Rock Springs—Edwards County Wool & Mohair Warehouse Co. incorporated by W. J. Greer, J. P. Mays, R. H. Earwood.

Tex., San Antonio—San Jose Cattle Co., capital \$200,000, incorporated by Cyrus B. Lucas, Holman Cartwright, Russell C. Hill, 838 W. Mistletoe St.

Tex., San Antonio—Eye, Ear, Nose and Throat Hospital, capital \$25,000, incorporated by J. H. Burleson, T. J. Walthall, O. H. Judkins, City National Bank Bldg.

Tex., University Park—Details under Water Works.

Tex., Wichita Falls—Northwest Texas Transportation Co., capital \$50,000, incor-

porated by E. G. Nelson, R. A. Hays, C. C. Musick.

Va., Norfolk—City will probably construct molasses tanks to be leased by Southgate Molasses Co., Tazewell St.

Va., Richmond—Story Construction Co., capital \$10,000, incorporated by Chester E. Story, H. L. Heath and Chas. H. Story.

Va., Rosslyn—Arlington Kola Mist Co., capital \$20,000, incorporated with C. R. Taylor, Pres.; Robert F. Brooks, Sec., both Clarendon, Va.

W. Va., Charleston—Capital Dress Co., capital \$22,000, incorporated by Samuel Eisenberg, Nathaniel Schwartz, L. F. Shannon, United Cigar Store Bldg.

W. Va., Montgomery—Faymount Hotel Co. incorporated by D. C. Smalridge, Albert Nunely, 5th Ave.; W. H. Koester.

W. Va., Wheeling—Wheeling Quality Laundry Co., capital \$25,000, incorporated by Frank Klein, Ollie J. Jewel, Calvin E. Baker, 1400 Third St.

W. Va., Wheeling—K. and K. Supply Co., capital \$50,000, incorporated by Dave Kovacs, 506 S. York St.; Armand Kopp and Carl O. Wachter.

Motor Cars, Garages, Tires, Etc.

Ala., Birmingham—Southern Motor Car Co., 204 S. 22nd St., incorporated by H. G. Fain, John E. Walker and others.

Ala., Birmingham—Garage, etc.—Sinclair Transfer Co., 507 Seventeenth St., T. F. Sinclair, Pres., will erect building including garage corner Seventeenth St. and Ave. E., 100x150-ft.; will soon begin construction.*

Ala., Birmingham—John W. O'Neill, 2020 Second St., will erect 2-story brick garage on 21st St., to cost \$29,500.

Ala., Mobile—Turner Motor Co., Inc., capital \$50,000, incorporated by Marshall Turner, T. O. Stapler and H. M. Schramm.

Ala., Montgomery—Futch-Flowers Motor Co., 10 S. McDonough St., Henry C. Futch, Pres., has under construction 2-story, 90x100-ft. sales service building; will install ramp instead of elevator, etc.

Fla., Bartow—Automobiles—Hugh W. Wear will begin construction of \$50,000 building corner Broadway and Summerlin St., 2-story, exterior to be of Shawnee buff pressed brick, plate glass windows practically full length of building which is to have 95 ft. frontage on each street; equipped with electric elevator, etc.; estimated cost \$50,000; building to be occupied by the S. McL. Estes Motor Co.

Fla., Fort Lauderdale—Blue & Yellow Service Co., capital \$50,000, incorporated with W. H. Carmichael, Pres.; C. L. Chancey, Sec.

Fla., Jacksonville—Gus Lowenstein Co., Inc., capital \$50,000, chartered with Gus Lowenstein, Pres.; Charles A. Smith, Treas., 510 Ocean St.

Fla., St. Petersburg—Garage—Bob Smalley, 3d Ave. and 28th St., N., let contract to R. L. Sharp, 409 Central Ave., to construct \$35,000 garage building on Eighteenth Ave., 127x152-ft., stone and stucco construction, fireproof; George Feltham, Archt.

Fla., Ocala—Ocala Service Co., capital \$10,000, incorporated with Jesse Weaver, Pres.; R. Thor Weaver, Sec.-Treas.

Fla., Tampa—Ernest H. Slek, Toledo, Ohio, will erect garage and automobile storage building at Marion and Cass St.; 2 stories, 105-ft. square; cost \$60,000.

Fla., Tampa—C. F. Henry, Marion and Cass Sts., will erect \$20,000 garage building.

Ga., Atlanta—Bowling H. Jones, Pres. of Ivy Street Corporation, has commissioned Lockwood, Greene & Co., Engrs., Atlanta, as engineers for construction of automobile hotel

at 25 Ivy St.; 150 ft.x200 ft., 6 stories, with part basement; reinforced concrete construction with face brick and terra cotta trimmings; one main entrance and exit on Ivy St., equipped with 2 patented ramps, one of which will be used for ascent and one for descent; floor area 180,000 sq. ft.; building will have space for approximately 1000 cars; will install 2 elevators; entire building will be equipped with automatic sprinklers, steam heat, lighting and ventilating apparatus; wash racks will be provided on top floor; first floor will be arranged for stores, garage, office, general waiting room, filling station.*

Ga., Swainsboro—Filling Station—Standard Oil Co. has acquired site, will erect modern filling station.

Ky., Mayfield—H. M. Williams Motor Co. will erect automobile storage building; has site.

La., Monroe—Berry Service Co., C. L. Kellogg, Pres., 1418 River Front St., is building 35x65-ft. building at Wood and Grand Sts., brick, stucco and steel, cement floors, tile and asphalt roof; construction by owners; installed filling station, etc.; majority of equipment purchased from Wayne & Bowser, Ft. Wayne, Ind.; T. L. Venoble, Const. Engr., 212 Texas St.; Wm. Drago & Melton King, Archts., Ouachita Bank Bldg.*

La., New Orleans—David H. Culligan, 722 Common St., leased building on Baronne St. and will remodel for filling and service station; will install complete sprinkler system.

La., Shreveport—Garage—Chester-Markhart Co., incorporated with George T. Markhart, Pres.; J. H. Chester, Sec.-Treas.; will establish automobile repair shop.

Md., Baltimore—Garages—Charles Neubert, 414 Linwood Ave., will erect three 1-story garage buildings in rear of 800 E. Twentieth St., estimated cost \$9600.

Miss., Belzoni—Belzoni Service Co., capital \$20,000, incorporated by E. R. McLean, J. L. Smith and J. P. Sanders.

Miss., Tupelo—Holland Motor Co., capital \$25,000, incorporated by D. F. Holland, Geo. R. Gordon, J. F. Arnold.

Mo., Bloomfield—S. E. M. Oil Co., capital \$10,000, incorporated by W. A. Cox, John L. Davis and others.

Mo., Kansas City—J. C. Nichols Development Co., 4635 Mill Creek, will erect 2-story garage and sales building at Wyandotte and Krauthoff Court to be occupied by Barker-Hurley Motor Co.

Mo., Neosho—Carnes Motor Co. let contract for erection of garage on N. Jefferson St.

Mo., St. Louis—Dixie Deheco Baker Enameling Co., capital \$15,000, incorporated by H. H. Hopkins, C. McMay, R. S. Mitchell, 5445 Enright St.

Mo., St. Louis—Broad Walk Garage Co., capital \$100,000, incorporated by I. T. Vierheller, 534 Garden St.; J. J. Frey, 2744 Cass St., and others.

Mo., St. Louis—Garage—A. G. Eckhardt let contract to Hager & Buecker Construction Co., 219 Wainwright Bldg., for 1-story, 50x131-ft. sales and service building at 2814 Pine St.; V. J. Kluths, Archt., Syndicate Trust Bldg.

Mo., St. Louis—Garage—H. Koberman, 5648 Gravois St. let contract to A. Koberman, 5203 Itaska St., to erect 1-story, sales and service building at 5616 Gravois St. 54x120-ft., composition roof, steam heat; cost \$10,000; S. O. Schumacher, Archt., 8625 Mora Lane.

N. C., Albemarle—Motor Service Co., capital \$50,000, incorporated by G. C. McManus, W. P. Horton, C. A. Morris.

Okla., Beggs—Owen Motor Co., capital

\$25,000, incorporated by R. E. Owen, R. L. Strand and others; changed name from Hamilton Motor Co.

Okla., Claremore—Tee Pee Truck Co., incorporated by R. L. Robson, Louise Parker and others.

Okla., Sapulpa—Mid-west Garage, Inc., capital \$50,000, chartered by Ray S. Atwood, Don W. Walker and John E. Schmidt.

Tenn., Memphis—Burt Overland-Mason Co., capital \$250,000, incorporated by W. T. Burt, 22 Morning Side Park; Dan Pope and E. A. Burt.

Tex., Dallas—Garage—Webster Grocery Co., 2201 Laws St., will erect \$8000 garage building at 2201 Laws St., 1 story; Whitson & Dale, Archts., Southwestern Life Bldg.

Tex., Denton—Handy Motor Co., capital \$40,000, incorporated by Homer A. Handy, D. E. Haughton, J. M. Thomas.

Tex., Kingsville—Weller Motor Co., capital \$10,000, incorporated by B. O. Sims, jr., C. C. Weller and others.

Tex., Millholland—Millholland Motor Co., capital \$8000, incorporated by R. W. Miller, J. E. Swan and others.

Tex., Smithfield—Filling Station—E. C. Williams let contract to Fife & Ingram to erect filling station.

Tex., Waco—Garage—Campbell Lumber Co. and J. T. Tidwell, 2801 Morrow Ave., will receive bids for construction of garage building, 1 story, 50x100 ft., brick and hollow tile construction, steel roof trusses, reinforced concrete columns and foundation; Jas. P. Baugh, Archt., 2915 Windsor St.; Hatty L. Spicer, Structural Engr., 1614 Amicable Bldg.

Va., Richmond—The Seventh Street Garage Co., Inc., 701 E. Leigh St., has acquired site; plans erecting 3-story, concrete storage garage, floor space of 300,000 sq. ft., estimated cost \$250,000; construction to begin this year.

W. Va., Charleston—Colonial Garage Co., capital \$10,000, incorporated by Thomas Cairns, 503 Grant St.; O. A. Gillespie and others.

W. Va., Huntington—D. E. Connelly, 810 Fourth Ave., will erect \$50,000 sales and service building at 615 Fourth Ave.

Railways

Ala., Gadsden—The Alabama Co. is reported to have awarded contract for 3 miles of railroad track from Etowah mines to its furnaces in North Gadsden; old Louisville & Nashville Railroad right-of-way is being used; work begins this week.

Miss., Corinth—Construction has started on grading for double tracking the Illinois Central Railway near here to cost \$50,000.

Tex., Lubbock—Chamber of Commerce Railroad Committee, consisting of O. L. Slaton, R. W. Blair, C. A. Keen and others, interested in building railroad from this place to some point in Cochran County.

Road and Street Construction

Ala., Bessemer—Board of Revenue has plans submitted by C. J. Rogers, Engr., 2707 19th Ave., Birmingham, for road from Morgan to Parkwood, 2 routes, costing \$20,300 and \$17,150 respectively.

Aa., Birmingham—Jefferson County Board of Revenue let contracts at \$175,000 for 4% ml. asphaltic concrete and concrete paving as follows: To H. N. Bowdry, Farley Bldg., 20,000 sq. yds., \$47,200; Dunn Construction Co., Chamber of Commerce Bldg., \$25,500 sq. yds., \$51,719; Birmingham Paving Co., \$25,500, \$65,925; all Birmingham.*

Ala., Birmingham—City, A. J. Hawkins, Engr., will let contract about Oct. 15 for paving on First Ave.; will award approximately \$641,000 in paving contracts in next 30 days.

Ala., Birmingham—County Highway Engr., C. J. Rogers, has prepared estimates for 3 miles road connecting Crestview with Bankhead highway; cost \$20,500.

Ala., Gadsden—City sold \$19,000 bonds for paving work in western section of city.

Ala., Gadsden—City Council has awarded contract to Lasley Bros. at \$12,363 for sidewalks, curbs and gutters and for street paving to C. O. Duncan at \$6251.

Ala., Heflin—County Commrs. awarded contract to Norton Bros. for graveling 3.5 miles road south of here.

Ala., Huntsville—Board of Madison County Commrs., S. W. Fleming, Chmn., will receive bids Sept. 10 for 2 miles Whitesburg pike, 4000 cu. yds. excavation, 21,120 sq. yds. Portland cement for base course and curbing; 19,947 sq. yds. Warrenite bithullithic or bituminous concrete or 21,120 sq. yds. Portland cement.

Ala., Huntsville—City Council awarded contract to Lasley Bros. of Chattanooga, Tenn., for paving Locust and East Clinton Sts., at \$13,129 and \$38,869 respectively; contractors will accept 6% street improvement bonds totaling \$14,000 and \$42,000 for each contract.

Ala., Mobile—Roads—Bids will be received Sept. 4 for 28,300 sq. yds. Warrenite bithullithic or sheet asphalt with concrete curbing and storm sewers.

Ala., Montgomery—State Highway Commission has awarded contract to J. R. and J. B. Miller of Baconton, Ga., at \$271,244 for 17.45 miles road in Chilton County from Shelby line south.

Ala., Northport—Town Council plans placing concrete curbs and gutters on Main St.; Finnell & Toothacker, Contractors.

Ala., Selma—City, W. O. Crisman, Engr., will receive bids August 25 for improving Parkman Ave.

Ark., Fort Smith—C. R. Johns, R. P. Young and John Lovejoy, Commrs., awarded contract to Robert McDowell for road from Cedarville north to Cove City, 7 mi.

Ark., Little Rock—Commissioners of Road Improvement, Dist. 15 of Woodruff County, will receive bids at office of State Highway Comsn. August 28 for 7 miles gravel road and drainage structures.

Ark., Newport—White River Packet Co. has been awarded contract by Commissioners of Paving Districts of Walnut Ridge for 100 carloads of gravel; Cobb & Lee, Jonesboro, Engrs.

Ark., Van Buren—State Highway Dept. will make surveys for highway to Alma and Mulberry; W. W. Mitchell, Dist. Highway Engr.

D. C., Washington—Dist. Commrs. let contracts as follows to grade various streets: Wm. F. Cuth, Inc., Third and R Sts., N. E., \$17,062; Latimer & Maloney, 1910 Baltimore St., N. W.; W. F. Brenizer Co., 101 New York Ave., N. E., \$3700; G. B. Mullin Co., 1296 Upshur St., N. E.; all Washington.*

D. C., Washington—Dist. Commrs. approved plans for paving 3000 ft. Bladensburg road from end of present new paving to District line, and for development of center parking down middle of road; \$55,000 authorized.

D. C., Washington—District Commrs.

awarded contract for paving Seventh St., Pennsylvania Ave. to D St., S. W., to McQuire & Rolfe, Va. Railway & Power Bldg., Richmond, Va., at \$20,000.

Fla., Bartow—Board of County Commrs. have called election to vote on forming special road and bridge district, Sept. 5; will issue \$750,000 bonds; J. D. Raulerson, Clerk.

Fla., Boynton—South Lake Worth Inlet Commsn. has awarded contract to F. N. Brown of Delray for rocking and oiling detour near New Inlet; contract for clearing and grading awarded A. A. Steed.

Fla., Bradentown—Details under Land Developments.

Fla., Clearwater—Pinellas County plans creating 5 Districts; will vote Sept. 16 on following bonds: Special Road and Bridge Dist. No. 4, embracing territory in and around Largo, \$400,000, 6% bonds; Special Road and Bridge Dist. No. 5, in and around Belleair, \$45,000, 6% bonds; Special Road and Bridge Dist. No. 6, in and around Clearwater, \$198,000, 6% bonds; No. 7, in and around Tarpon Springs; No. 8 in and around Dunedin, \$520,000, 6% bonds; John N. Brown, Clk. of Circuit Court.

Fla., Clearwater—Plans are under way for forming a special road and bridge district in Pinellas County and expending \$590,000.

Fla., Deland—City will extend paving; plans voting bonds.

Fla., Frostproof—City will proceed with paving streets, provided by \$340,000 bonds recently voted.

Fla., Fort Pierce—Details under Land Developments.

Fla., Kissimmee—City will shortly let contract for approximately \$225,000 paving.

Fla., Miami—City Commns. received bids for sidewalk pavements from: Morgan Hill Paving Co., Cook Construction Co., Robert G. Lassiter & Co., John J. Quinn Co., Bedford Bldg.; E. F. Lassiter, 643 W. Flagler St.; S. F. Guy, Haggart Construction Co., John W. Rollins, 1261 S. W. Fifth St., and Bunnel & Call.

Fla., Miami—Details under Land Developments.

Fla., Milton—City has begun paving 13 miles of streets.

Fla., Orlando—Board of County Commrs., Orange County, will receive bids for clearing and grubbing road right-of-way Sept. 2.

Fla., Pensacola—Escambia County plans paving 2 roads as follows: From Flomaton to Pensacola, and from Nunez Ferry to Ferry Pass; plans selling bonds; address County Commrs.

Fla., Sarasota—County Commrs., M. L. Townsend, Chmn., and Chas. G. Benson, County Engr., will receive bids September 6 for: Venice - Englewood road, 11.3 miles, clearing and grubbing 12 acres, 15,000 cu. yds. grading, 6000 cu. yds. rock base, 60,000 sq. yds. bituminous top; Venice Byway, 3 mi., clearing and grubbing 15 acres, grading 24,000 cu. yds., rock base 16,500 sq. yds., bituminous top 15,500 sq. yds., 800 lin. ft. treated wood piles, 18,500 ft. treated timber bridges; Engelwood-Myakka river road, 8.6 miles, clearing and grubbing 6 acres, grading 6000 cu. yds., 45,000 sq. yds. bituminous top; Bradentown road, 3 miles, clearing and grubbing 6 acres, grading 6000 cu. yds., bituminous top 28,000 sq. yds.; Siesta road, 7½ miles, clearing and grubbing 40 acres, grading 30,000 cu. yds., shell base 7000 cu. yds., bituminous top, (alternate bid), 21,000 sq. yds.; Crescent Beach road, 2½ miles, clearing and grubbing 10 acres, grading 8000 cu. yds., shell base 2000 cu. yds., bituminous top (alternate bid) 21,000 sq. yds.; Lockwood Ridge road, 3½ miles, clearing and grubbing 25 acres, grading 10,000 cu. yds., rock base and bituminous top 18,

000 sq. yds.; and Verna road, 3½ miles, clearing and grubbing 8 acres, grading 24,000 cu. yds., rock base and bituminous top, 35,000 sq. yds.

Fla., Stuart—City Council will widen Flagler Street in business sections, improve other streets; plans \$30,000 bond issue.

Fla., Tampa—City Engr. R. D. Martin is preparing plans and specifications for widening 6 important city streets.

Fla., Tampa—Details under Land Developments.

Fla., Tampa—Rio Altos Homesites Developers will award contract for streets; Jack Sheldon & Co., Sales Agents.

Fla., Tampa—Details under Land Developments.

Fla., West Palm Beach—City Commrs. awarded contract to Greynolds & Monroe, at \$143,590 for South Borough Street work.

Ga., Athens—Work of grading Bogart road to County line has been started by Homer K. Nicholson, County Engr.

Ga., Atlanta—Public Works Committee of Fulton County will pave Hemphill Ave. from Moore's Mill road south, 1.5 miles.

Ga., Macon—City, Osgood Clark, will receive bids August 26 for 2756 sq. yds. paving.

Ga., Macon—City Council awarded contract to Hardaway Contracting Co., Columbus, for concrete bridge across Ocmulgee River at 5th St. at \$143,000; R. W. Cowen, City Engr.*

Kentucky—The State Highway Commission, Frankfort, received bids Aug. 2 aggregating \$1,783,106 covering 90 miles of roads and four bridges and 40 miles of maintenance as follows:

Bullitt County—Shepherdsville-Louisville Road, Salt River bridge to Jefferson County line, 8.3 mi. of waterbound macadam, George M. Eady, Louisville, \$82,920; Casey County—Liberty-Stanford Road, Lincoln County line to end State-maintained gravel road, 5 mi. of waterbound macadam, Moyanhan & Turner, Nicholasville, \$87,686; Cumberland and Metcalfe Counties—Glasgow-Burkesville Road, 3 mi. west of Willow Shade to near mouth of Ferris Creek, 7.056 mi. gravel and drain, D. Pace & Co., \$141,076; Estill County—Irvine-Beattyville Road, from Ravenna to Lee line, 10.941 mi. grade and drain, Irvine Construction Co., Irvine, \$239,917; Grayson County—Leitchfield-Elizabethtown Road, 2 mi. north of Leitchfield to Hardin line, 11.409 mi. grade and drain, Costello Bros., \$61,988; Green County—Greensburg-Hodgenville Road from Greensburg to Summersville, 5.422 mi. grade and drain, Ellis & Smeathers, Owensboro, \$104,007; Hardin County—Elizabethtown-Bardstown Road, from Newport St., Elizabethtown, to Nelson line, 8.45 mi. of waterbound macadam and gravel, Billiter & Wiley, Covington, \$160,890; Lee-Owsley Counties—Beattyville-Booneville Road, 9.941 mi. grade and drain, Shay Bros., \$211,995; McLean County—Calhoun-Central City Road, Rumsey to the Muhlenberg line, 11.64 mi. waterbound macadam, Davless County Construction Co., Owensboro, \$178,102; Warren County—Bowling Green-Bear Wallow Road, Bowling Green to end of Federal aid project 16, 3.548 mi. rock asphalt, R. G. Price, \$149,340; Webster County—Providence Spur Road from Providence to Dixie Bee Line, 1.25 mi. rock asphalt, N. E. Stone Co., Madisonville, \$40,352.

Maintenance: Madison County—Richmond-Mt. Vernon Road from Richmond to Kingston, 6.7 mi. waterbound macadam, J. H. Hostetter, Lexington, \$94,910; Greenup County—Greenup-Ashland Road, Russell to Chinnville, 10.3 mi. bituminous for penetration, Eaton Oil Works, Covington, \$4802; Lewis County—Vanceburg-Mayesville Road, Mason line to Tollesboro Valley to Vanceburg, 9.3 mi., treat-

ment. Eaton Oil Works, \$8928; Logan County—Russellville-Clarksville Road from 5 mi. south city limits, Russellville to Todd line, 8.287 mi. surface treatment, R. B. Tyler, Louisville, \$11,591; Warren County—Bowling Green-Morgantown Road from 1.5 mi. west of Bowling Green to 3.5 mi. west, 2 mi. surface treatment, R. B. Tyler, Louisville, \$2140; Logan County—Russellville-Morgantown Road from Russellville to 3.4 mi. north city limits, 3.340 mi. of surface treatment, F. G. Breslin, Louisville, \$4043; Mason County—Maysville-Lexington Road, north Fork Licking River to Fleming line, 9.5 mi., Bates & Paynter, \$82,446.

Bridges: Hazard-Jackson and Hazard-Whitesburg Road, steel superstructure, Nashville Bridge Co., \$44,264; Hazard-Jackson Road, concrete, Hatfield Construction Co., Huntington, W. Va., \$60,629; Hazard-Whitesburg Road, concrete, Hatfield Co., \$74,493.80.

Bid of Gay Coleman for reconstruction of 6 mi. Shelbyville-Mt. Eden Road received Aug. 4 was rejected. Accepted bid of \$32,965 for Shelbyville-Finchville Road. Rejected bid of Ellis & Smeathers for 5 mi. in Green County at \$104,007. Accepted bid of Standard Asphalt Sales Co. at \$9357 for 9 mi. surface treating in Lewis County.

Kentucky—State Highway Commission, Frankfort, J. S. Boggs, Engr., will oil 50 miles of road; approved purchase from J. D. Grimes of oil at \$5.99 per barrel.

Ky., Frankfort—City will receive bids in about 30 days to lay sheet asphalt on St. Clair St. between Main and Broadway, rock asphalt on Broadway between Ann and High, and on Steele St. between Second and Third; D. D. Smith, Mayor.*

Ky., Somerset—Kentucky State Highway Commn., Frankfort, has awarded contract for 16 miles of Cincinnati-Lookout Mountain Air Line in Pulaski County to Mason and Hanger Co.

Ky., Sturgis—City Clerk, Chas. Pritchett, will receive bids September 2 for: concrete rock asphalt or brick paving, 18,000 sq. yds.; concrete curb, 7300 lin. ft.; concrete gutters 8850 lin. ft., 9 manholes, 28 street intakes.

Ky., Whitesburg—Codell Construction Co., Winchester, Ky., has contract for highway from Jenkins through Cumberland Mountains to Pound Gap, on Virginia border.

La., Baton Rouge—East Baton Rouge Parish plans building, improving and graveling highways and streets in Sub-District No. 3 of Third Ward, including Easy Town, Colonial Hill, Eden Park, Richmond Park and Progress Park; voted \$20,000 bonds; address Parish Police Jury.*

La., Baton Rouge—East Baton Rouge Parish Police Jury will reconsider plan to create road district of 10 wards and submit \$3,000,000 bonds to voters.

La., Baton Rouge—East Baton Rouge Parish Police Jury rejected proposal to create a road district of 10 wards and to submit to the voters a \$3,000,000 issue of 5% bonds; Joseph Gebelin, Pres.

La., Coushatta—City plans paving Brittain St.; address The Mayor.

La., Deridder—Beauregard Parish Police Jury plans road from Deridder through Carson to De Quincy, also extension of road from Merryville to Singer; total 24 miles; will sell \$110,000 bonds.

La., Lake Charles—City Council awarded contract to Martin & Riling, Lake Charles, at \$37,309 for 11 miles of sidewalks.

La., Lake Charles—Commission Council will receive bids August 30 for paving 32 streets; L. L. Squires, Clerk of City.*

La., New Orleans—Jefferson Parish Police Jury plans extending road from Protection

Levee to Hanson City; also hard surface road from Shrewsbury road and Orleans-Kenner traction right-of-way via Metairie Ridge to Protection Levee; complete road skirting L. R. and N. Railroad from Shrewsbury to Kenner; construction new road around levee being built at Southport; will sell \$500,000 bonds.

Maryland—State Roads Commn. Garrett Bldg., Baltimore awarded contract for 4 mi. concrete street in Elkton, Cecil County, to Rehill McAllister at \$9374.

Md., Baltimore—Jos. W. Shirley, Baltimore, Topographical Engr., and Balto. County Commn. on Street Paving, Samuel C. Green, Roads Engr., suggest converting Charles St. Ave. into north and south boulevard 120 ft. wide.

Md., Baltimore—State Road Commission, Garrett Bldg., received bids August 19 as follows: Howard County, Contract Ho-47, concrete surfacing, Sutton Contr. Co., Inc., 1015 Chestnut St., Philadelphia, Pa., at \$143,832; Prince Georges County, Contract P-54, concrete surfacing, Christhill & Ensey, 1625 Ridgely St., Baltimore, at \$29,657; Charles County, contract Ch-31, gravel surfacing, H. S. Swann, La Plata, at \$13,997; Worcester County, contract Wo-40, concrete surfacing, J. R. Phillips, Jr., Berlin, at \$34,822; Talbot County, contract T-20, concrete surfacing, P. B. Phillips & Bro., Salisbury, at \$29,825.*

Md., Ocean City—C. Edward Shute, Sec. Isle of Wight Land Co., Inc., will receive bids August 30 for 8 miles road, 16-ft. wide.

Miss., Jackson—Hinds County Board of Supervisors let contract to Owen & Gaddis, Jackson, for extension vibrolithic paving: 800 ft. Jackson-Canton Road; 1200 ft. Jackson-Raymond Road; aggregate cost \$22,308.*

Miss., Jackson—State Highway Dept. Commn. will receive bids Sept. 23 at Belzoni for Humphreys County, project 179-A, 4.196 mi., Sept. 17 at Corinth, Alcorn County, project 178, 3.74 mi.

Miss., Laurel—City has started grading of street preparatory to laying brick paving, contracts for which have been awarded Finch Constr. Co., Hattiesburg; cost \$105,000.*

Miss., Natchez—City Council has authorized Street Dept. to open Duncan Ave. for distance of 1 mile and extend water, sewer and electric lines.

Miss., Yazoo City—Board of Mayor and Aldermen voted to pave 6 additional blocks with concrete, rock asphalt, gravel, etc.

Miss., West Point—Board of Supervisors, Clay County, L. J. Howard, Clerk, will resurface and put in condition 52 miles of road at cost of \$100,000; S. J. Dalton Jr., Engr., Tupelo, Miss.

Missouri—State Highway Dept., Jefferson City will receive bids August 29 for 42 roads as follows: Project 265-A, Nodaway County, 18-ft. concrete, 2.212 miles, 27,732 cu. yds. earth excavation, 23,436 sq. yds. paving; project 265-B, Nodaway County, 18-ft. gravel, 4 miles, 16,000 cu. yds. earth excavation, 42,347 sq. yds. paving; 265-C, Nodaway County, 18-ft. gravel, 2.710 miles, 5957 cu. yds. earth excavation, 28,648 sq. yds. paving; 1-17, Holt County, 30-ft. graded earth, 4.292 miles, 7563 cu. yds. earth excavation, 405 cu. yds. concrete culverts; 1-18, Holt County, 30-ft. graded earth, 4.41 miles, 54,500 cu. yds. earth excavation; 29-3, Worth County, 16-ft. gravel, 3.29 miles, 4891 cu. yds. earth excavation, 30,400 sq. yds. paving; 261-A, Grundy County, 30-ft. graded earth, 4.86 miles, 62,971 cu. yds. earth excavation; 108-C, Grundy County, 18-ft. gravel, 3 miles, 32,170 sq. yds. paving; 266-A, Randolph County, 18-ft. concrete or brick, 67 miles; 268-A, Randolph County, 18-ft. concrete or brick, 2.25 miles; 22-8, Audrian County, 16-ft. gravel,

.28 miles; 257-A, Pike County, 18-ft. concrete, 5 miles; 262-B, Marion County, .83 miles 30-ft. graded earth; 262-C, Marion County, 30-ft. graded earth, 4.37 miles; 270-A, Ray County, 30-ft. graded earth, 3.69 miles; 270-B, Ray County, 30-ft. graded earth, 3.69 miles; 270-C, Ray County, 30-ft. graded earth, 3.72 miles; 246-A, Johnson County, 30-ft. graded earth, 4.85 miles; 246-B, Johnson County, 30-ft. graded earth, 4.86 miles; 246-C, Johnson County, 30-ft. graded earth, 4.86 miles; 267-A, Saline County, 30-ft. graded earth, 4.84 miles; 267-B, Saline County, 4.05 miles; 267-C, Saline County, 30-ft. graded earth, 2.37; 63.3, Cass County, hauling 4000 tons gravel 3 miles; 97-D, Callaway County, 16-ft. gravel, .82 miles; 97-E, Callaway County, 18-ft. concrete, .68 miles; 269-A, Callaway County, 18-ft. concrete, .35 miles; 269-B, Callaway County, 30-ft. graded earth, .35 miles; 269-C, Callaway County, 30-ft. graded earth, .5 miles; 269-D, Callaway County, hauling 3120 cu. yds. gravel; 249-A, Boone County, hauling 6700 cu. yds. gravel; 249-B, Boone County, hauling 7250 cu. yds. gravel; 94-7, St. Charles County, 12-ft. gravel, 1.7 miles; 21-5, Washington County, 16-ft. gravel, 2 miles; 167-E, Bates County, 30-ft. graded earth, 4 miles; 264-A, Vernon County, 26-ft. graded, 3.38 miles; 264-B, Vernon County, 16-ft. chats, 4.94 miles; 16-4, Webster County, 16-ft. gravel, 3.1 miles; 90-D, Texas County, 16-ft. gravel, 3 miles; 206-B, Ripley County, 3.29 miles; 9-119, Scott County, 30-ft. graded earth, 1.65 miles; 118-C, Stoddard County, 9-ft. concrete and 7 ft. gravel, 2 miles.

Missouri—State Highway Dept., Jefferson City, awarded contract for 35 road projects as follows: Macon County—231-F, 4.25 mi. 30-ft. graded earth to F. A. Carlson, Florence, Neb., at \$26,877; 231-C, .842 mi. 30-ft. graded earth to Pioneer Construction Co., Kansas City, at \$12,031; 231-E, 4.133 mi. 30-ft. graded earth to C. P. O'Reilly & Co., St. Louis; 231-A, 1.828 30-ft. graded ear to J. A. Carlson, Florence, Neb., at \$21,974; 231-D, 4.156 mi. 30-ft. graded earth to C. P. O'Reilly & Co., St. Louis; 231-B, 1.922 mi. 30-ft. graded earth to J. A. Carlson, Florence, Neb., at \$12,318; Dent County—.95 mi. 30-ft. graded road to Wilson Construction Co., Warrensburg, Mo., \$9671; Jefferson County—2.178 mi. earth work to Montague Construction Co., Carbondale, Ill., at \$17,528; .283 mi. 30-ft. graded earth to St. Louis Construction Co., St. Louis, at \$6012; 2.178 mi. 18-ft. concrete surface to Montague Construction Co., Carbondale, Ill., at \$56,412; Buckhannon County—4.711 mi. 30-ft. graded earth to O. H. Schmidt, Bartlett Trust Bldg., St. Joseph, Mo., at \$33,674; Grundy County—3.257 mi. 30-ft. graded earth to Mike Hoose, Trenton, Mo., at \$5394; 3.327 mi. 30-ft. graded earth to C. T. Pemberton, Wakenda, Mo., at \$15,620; Audrian County—.189 mi. 24-ft. graded earth to Felix Kersting Co., Jefferson City, at \$1689; Andrew County—4.129 mi. 30-ft. graded earth to Alvert Hood, Independence, Mo., at \$36,379; St. Louis County—225-A, 3.12 mi. 18-ft. concrete to Montague Construction Co., Carbondale, Ill., at \$69,125; 225-A, 3.12 mi. earth work to Montague Construction Co., Carbondale, Ill., at \$36,551; Clay County—6-A, 1.627 mi. 18-ft. concrete surface to Cooke-O'Brien Construction Co., Kansas City, at \$21,480; 6-A, earthwork to Cooke-O'Brien Construction Co. at \$1809; 253-A, .632 mi. 18-ft. concrete surface to Cooke-O'Brien Construction Co. at \$9824; 253-A, 6.32 mi. earthwork to Cooke-O'Brien Const. Co. at \$1578; Pettis County—2.087 mi. 18-ft. penetration macadam to Bertman & Menefee, Sedalla, Mo., at \$12,784 and earthwork and sledge stone base course, \$19,440;

Lewis County—871 mi. 16-ft. gravel surface to Wilson Constr. Co., Warrensburg, Mo., at \$11,400; Crawford County—4.7 mi. 30-ft. graded earth to Felix Kersting Co., Jefferson City, at \$23,982; Marion County—262-A, 1,652 mi. earthwork to Cameron Joyce & Co., Keokuk, Iowa, at \$4184 and for 18-ft. concrete surfacing at \$34,025; Taney County—1,751 mi. 12-ft. gravel surfacing to J. T. Cox, Branson, Mo., at \$5000; Laclede County—4,585 mi. 30-ft. graded earth to Felix Kersting Co., Jefferson City, at \$27,031; Lafayette County—262-D, 1 mi. 30-ft. graded earth to C. T. Fogle Constr. Co., Jefferson City, at \$14,811; Oregon County—2.5 mi. 30-ft. graded earth to Republic Concrete Constr. Co., Republic, Mo., at \$11,405; 2,548 mi. 30-ft. graded earth to Republic Concrete Constr. Co. at \$11,256; Callaway County—97-C, 3,655 mi. 16-ft. gravel surface to Graham Bros., Leeds, Mo., at \$14,466; Cape Girardeau County—1,389 mi. 30-ft. graded earth to W. D. Knott, New Madrid, Mo., at \$17,179; Adair County—263-A, 4,271 mi. 18-ft. gravel surfacing to B. Layton, Kirksville, Mo., at \$37,235.

Mo., Cape Girardeau—City plans paving Henderson St. between Harmony and Independence Sts.; address The Mayor.

Mo., Carthage—City let contract to D. W. Spooner, Joplin, at 22½ cents per sq. yd., to resurface with Tarvia, Clinton St. from Chestnut to Thirteenth; Lyon from Seventh to Macon, and Maple from Centennial to Fairview Aves.

Mo., Independence—City Council awarded contract to E. D. Tyner Construction Co., Independence, for widening East Lexington St.

Mo., Kansas City—City let contract to Young Paving Co., at \$1.92 per sq. yd., for 8066 sq. yds. rock asphalt pavement on Seventh St. from Cleveland to Lister.

N. C., Asheville—Board of County Comms. of Buncombe and Haywood Counties propose improving Sandy Mush road.

N. C., Fremont—Town, W. T. Yelberton, Mayor, and Miss Gela Flowers, Clerk, will receive bids August 29 for paving and drainage structures, including 2000 cu. yds. excavation, 4500 lin. ft. curb and gutter, 7900 sq. yds. concrete, asphaltic concrete or sheet asphalt pavement, 1535 lin. ft. drains, clay or concrete, etc.; J. B. McCrary Engineering Corp., Engrs., Atlanta, Ga.

N. C., Greensboro—County Comms., will repair roads with asphalt binder.

Okla., Blackwell—White Randall, City Clk., will receive bids this week for street and alley paving.

Okla., Fairfax—Board of Trustees will improve 8 blocks of paving.

Okla., McAlester—Pittsburg County Comms. advise State Highway Dept. has approved 4 concrete highways and bids will be asked immediately; Jefferson Highway, 5 mi., from Coal Creek bridge to Crowder; Jefferson Highway, 1 mi. south of McAlester between Kiowa and Savanna; Postal Highway, one near McAlester and the other east of Hartshorne. Comms. plan 25 additional miles of concrete highways upon completion of these projects.

Okla., Oklahoma City — Board of City Commissioners awarded contracts for concrete and Willite paving: Western Paving Co., Trades Natl. Bank Bldg., Twenty-third St., resurfacing and widening, \$58,945; Everest Ave., \$27,451; Sixth St., \$19,455; Stone-wall Ave., \$15,207; and M. A. Swatek & Co., 519½ W. Main St., Fifteenth St., \$23,938.

Okla., Oklahoma City—City Comms. will receive bids Sept. 2 for Robinson St. and Exchange Ave.; estimated cost \$120,000; 150 piers will be placed in bridge to west of Noble

Ave., which will be raised 4 ft.; will construct 210-ft. trestle pile in connection with Robinson St. project.

Okla., Oklahoma City—State Highway Commsn. has awarded contract to Gibson & Mitchell of Paul's Valley for road from Norman to Lexington; part rock asphalt top on concrete base and remainder Bates type concrete.

S. C., Aiken—State Highway Commsn., Columbia, may build 4 mi. highway from Jones Cross Roads to Chingqupin bridge at Lexington and Salada County lines; C. J. Hill, Chrmn. Aiken County Comms., has been advised \$100,000 has been allotted for construction Aiken-Augusta highway and \$70,000 additional for the link of the Aiken-Orangeburg highway.

Okla., Tulsa—City let contracts at \$138,489, to Cannady Construction Co., Fifth and Quincy Sts., Standard Paving Co., Harford & M. V. Tracks; Western Construction Co., 814 Dan Bldg.; Ward Paving Co., 544 S. Victor St., and Dan A. Burton, for pavements on 9 streets.

S. C., Charleston — County Sanitary and Drainage Commsn. awarded contract to Simmons-Mayrant Co., Peoples Bldg., Charleston, for 8.5 mi. concrete roadway from Meeting Street Highway to Dorchester County line, at \$256,016; also approved contract with Sanford & Brooks Co., Baltimore, for east and west approaches to Ashley River bridge at \$70,000; J. D. Leseemann, Chrmn.

S. C., Rock Hill—State Highway Dept., Columbia, has received bids for highway between Rock Hill and Fort Mill, concrete, 18-ft. wide, 1,083 mi. long; Hooks & White Co. of Charlotte, \$36,730 and Benj. J. Ramseur Co., Blacksburg, S. C., \$35,452; Walter Miller, York County, Engr.

S. C., Spartanburg — Spartanburg County Highway Commission will receive bids August 28 for 1,538 miles Howard Gap road, concrete base and bituminous topping; plans on file office E. D. Sloan, Jr., division engr., Greenville, and office State Highway Comsn., Columbia.

Tenn., Chattanooga—J. B. Pound interested in having Hamilton County build 20-ft. concrete boulevard up Lookout Mountain to cost \$100,000.

Tenn., Columbia—Dept. of Highways and Public Service, Nashville, let contract to Foster-Creighton Co., Nashville, at \$324,142, for 10.16 mi. concrete surface road from corporate limits of Columbia, on Mt. Pleasant Pike, to Lawrence County line, below Rockdale.

Tenn., Huntington—Little & Dean, 63 S. 3rd St., have been awarded contract by State Highway Commsn. for 10 miles Bristol-Memphis Highway at \$104,435.

Tenn., Knoxville—J. W. Spadlin, Supt. of Roads, Knox County, will improve streets in Fountain City.

Tenn., Knoxville—State Highway Comsn. plans mountain highway 12 miles long connecting with similar highway of North Carolina; surveys of two routes now being made.

Tenn., Ripley—Tennessee Dept. of Highways and Public Work will build two highways: between Gates and Ripley, Lauderdale County; and between Greenville and Washington County line.

Tenn., South Pittsburg—H. M. Westmoreland and Thomas Graham of Jasper, have contract for grading road bed through King's Bottom between here and Kimball.

Texas—Dr. J. M. Head, 211 West Bldg., Houston, proposes scenic motor way as War Memorial, 700 ft. wide, linking Houston and Galveston; Stroughton & Stroughton of New York and Winnipeg, Landscape Archts.

Tex., Alice—Jim Wells County let contract to W. L. Pearson & Co., McAllen, Tex., at \$25,048, to grade 13.7 mi. State Highway No. 12, to John W. Goodrum, Seguin, Tex., at \$21,538 for structures.*

Tex., Angleton—Brazoria County, J. T. Logans, Judge, will receive bids Sept. 11 for Federal Aid Project 387, Highway 19, 7.76 miles; plans and specifications from E. N. Gustafson, Engr., and State Highway Dept., Austin.

Tex., Austin—Travis County, Geo. Mathews, County Judge, plans 7.92 miles Fredericksburg roads from west of Oak Hill to Hayes County line, estimated cost \$50,000; O. Leonard, County Engr.

Tex., Beaumont—H. E. Vallee, 192 Virginia Ave., Beaumont has sub-contract for grading in connection with road to Natches bridge.

Tex., Boston—Bowie County will receive bids Sept. 18 for 2 gravel roads as follows: 1.21 mi. State Highway 8, Federal Aid Project 445-A, 12,739.4 cu. yds., excavation and borrow; 5.3 mi. State Highway 8, Federal Aid Project 445-B, 54,256.8 cu. yds., excavation and borrow; gravel surface furnished by County; J. B. Pirkey, County Judge; F. E. Hess, County Engr., New Boston.*

Tex., Boston—Bowie County plans 18-ft. concrete pavement on State Highway No. 5, east from Boston; estimated cost \$70,000; F. E. Hess, County Engr.

Tex., Canton—Van Zandt County plans 5.61 mi. 9-ft. concrete roads on State Highway No. 15, between Grand Saline and point 5.61 mi. west; estimated cost \$115,973; Federal Aid Project No. 363-C; J. H. Bray, County Engr.; C. L. Hubbard, County Judge.

Tex., Carrizo Springs—Dimmitt County will receive bids soon for gravel surfacing 16 mi. highway; estimated cost \$260,000; J. G. Lott, County Engr.

Tex., Carrizo Springs—Dimmitt County has let contract to W. L. Pearson & Co., McAllen, at \$102,959, for 12.78 miles 16-ft. gravel road 9-in. thick, including grading, drainage structures and steel bridge over Nueces River; 1430 cu. yds. concrete, 125,000 cu. yds. earth excavation, 30,000 cu. yds. gravel surfacing, 89 acres of clearing; Jones G. Lott, Engr.*

Tex., Cleburne—West Texas Construction Co. has contract for paving north and south Main Sts., at \$169,125.

Tex., Dallas—City Commsn. opened bids for paving 79 streets, 446,200 yds., costing about \$2,000,000; 395 bids received; contracts will be awarded in about two weeks.

Tex., Dallas—Details under Land Developments.

Tex., Floresville — Wilson County will soon call for bids on Elmendorf-Floresville road to cost \$200,000; \$100,000 bonds have been voted.

Tex., Fort Worth—Tarrant County let contract to Tibbetts Construction Co., Mineral Wells, at \$115,506, to grade, drain and surface with inverted penetration, Benbrook-Cresson road, to Womack Construction Co., Sherman, Tex., at \$28,376 for bridge across Trinity River on this highway; plans being drawn for second section of this road.*

Tex., Galveston — Galveston County will soon request bids for 9.5 miles highway between Texas City and San Leon; C. C. Washington, Engr.

Tex., Hillsboro—Julian S. Field Co., Denton, has been awarded contract for completion of Colorado to Gulf Highway north of Hillsboro to Johnson County line at \$416,654.

Tex., Houston—Details under Land Developments.

Tex., Houston—City Council awarded contract for paving Leeland Ave. to Uvalde Rock Asphalt Co. at \$40,033.

Tex., Houston—City Council received bids for street paving: A. M. Arnold, Scanlan Bldg., \$17,156; Couch & Holliger, \$18,812; J. M. Griswold, 2818 Caroline St.; L. D. McKaughn, Humble Bldg., \$17,996; Mr. Britton, Street and Bridge Commr., \$16,988 on gravel, \$11,169 on shell top; \$16,825 on shell base, with asphalt and trap rock top and \$16,259 on shell base with asphalt and limestone top.

Tex., Houston—Details under Land Developments.

Tex., Lubbock—Lubbock County will receive bids Sept. 10 to make and lay concrete base and vertical fiber brick curbs, gutters and pavement adjacent to Fair Grounds, on north side of Broadway; 187 lin. ft. curb and gutter, 34,175 sq. yds. pavement, 152 cu. yds. excavation; plans, etc., from City Sec. or City Engr.; P. F. Brown, County Engr.

Tex., Rockwall—J. W. Reese, County Judge, will receive bids September 9 for 9.3 miles, single track concrete road, 8 ft. wide and 6.25 in. thick, 45,000 sq. yds. concrete with reinforcing, 5573 cu. yds. excavation; V. R. Smitham, County Engr.

Tex., San Antonio—Details under Land Developments.

Tex., San Antonio—City, Paul Steffler, Street Commr., plans street improvements including paving 26 streets; I. Ewig, Engr.

Tex., Sonora—R. B. Sparks, Gaston Bldg., Dallas, has been awarded contract for 10.64 miles state highway, 10 in Sutton County, at \$17,630.

Tex., Tyler—City plans street improvement; voted \$150,000 bonds; U. W. Prater, City Mgr.*

Tex., Waco—City, V. G. Koch, Engr., will receive bids for 13 streets Sept. 2 to cost \$90,000.

Tex., Wichita Falls—E. P. Walch, County Auditor, will receive bids Sept. 15 for improvement Electra-K.M.A. road in Wichita County, including drainage structures, grading, graveling and surfacing with bituminous material, 15 miles long; plans and specifications from Auditor and J. M. Isbell, County Engr.

Virginia—Virginia Historic Highways Association, Inc., incorporated with Junius P. Fishburn, Pres., Times Bldg., Roanoke, and T. J. Ingram, Jr., Sec., Lynchburg, to develop road from Washington through the valley of Virginia for 650 miles.

Va., Chatham—County Clerk and Board of Supervisors of Pittsylvania County will receive bids Sept. 1 for Warren road between State Route 12 and Kentuck, 2 miles; plans and specifications at Office of Clerk, and State Highway Commn., Richmond.

Va., Norfolk—Director of Public Works Taylor announces that downtown paving will begin within 60 days, including Commercial Place project and paving Main St.

W. Va., Charleston—Kawanza County Court rejected bids for surfacing 2.40 miles road between Dunbar and Institute; will call for new bids; 16-ft. surface of either penetration macadam on concrete.

W. Va., Charleston—County Court of Kanawha County will receive bids Sept. 8 for project 101, 1.4 miles Southside road; project 107, 1.4 miles Charleston-Hamlin road; project 151, 950 ft. Coal River road; plans and specifications from County Road Engr.

W. Va., Charleston—Kanawha County plans paving 4 sections of road as follows: Surface 1.4 mi. newly graded road, along south side of river from Chesapeake & Ohio Station bridge to South Charleston bridge; surface 1 mi. in Loudon and Jefferson districts and link on Charleston-Hamlin road; surface 950 ft. from hard road, below Coal River bridge at St. Albans, to Teays Cemetery; address County Commrs.

W. Va., Clarksburg—City Council will receive bids for paving 8 streets.

W. Va., Huntington—City has awarded paving contract: widening Adams Ave. to Gerchow & McGinnis; for resurfacing Adams Ave. to Andrews Asphalt Paving Co.

W. Va., Fairmont—J. J. Allen of Man-nington has been awarded contract for 1 mi. concrete road between Flagg Meadow road and nearest pavement in Harrison County; W. H. Armstrong of Fairmont has been awarded contract for 1800 ft. of pavement on Parker Run road, Paw Paw district.

Sewer Construction

Fla., DeLand—City contemplates voting on bonds for storm and sanitary sewers. Address The Mayor.

Fla., Gary—City, Perry G. Wall, Mayor, will improve sewerage and drainage systems, install street lights on Tenth and Eleventh Aves. and Thirty-fourth St.

Fla., Miami—City, H. E. Ross, Clk., will receive bids Sept. 2 to construct sanitary sewer, lateral connections. (See Machinery Wanted-Sanitary Sewer Laterals.)

Fla., Sebring—Details under Water Works
Fla., Tampa—Details under Land Developments.

La., Baton Rouge—Commissioners Council let the following contracts for storm drainage: to H. A. Forrest, New Orleans, La. at \$5162; to Thibodeaux & Harrison, Inc., Baton Rouge, La. at \$2087; to J. B. McCrary Co., Atlanta, Ga. at \$20,418; to C. B. Stewart, Baton Rouge, La. at \$72,682; J. W. Billingsley, Const. Engr., Interstate Bldg., New Orleans, La.*

N. C., Clyde—City, Edwin Fincher, Mayor, will receive bids Sept. 11 to construct sewer and water works systems. (See Machinery Wanted—Water Works and Sewers.)

N. C., Lexington—Details under Electric Light and Power Plants.

Okla., Brame—Details under Water Works.

Okla., Tulsa—City Commission authorized the purchase of 7½ acres north of Dawson for sewerage disposal plant, to be the outlet for one of the three sanitary sewers, now under construction.

S. C., Belton—Details under Water Works.
Tex., Corsicana—City, John Harper, Sec., will construct additional unit. (See Machinery Wanted-Sewer Construction.)

Tex., El Campo—City, W. L. Ballew, Mayor, opens bids Sept. 1 to construct sanitary sewer system for South El Campo. (See Machinery Wanted—Sewer System.)

Tex., Houston—Details under Land Developments.

Tex., San Antonio—Details under Land Developments.

W. Va., Bluefield—City, Clarence E. Ridley, Mgr., Coal & Coke Bldg., receives bids Sept. 2 for construction of sewerage treatment plant. (See Machinery Wanted—Sewage Treatment Plant.)

Shipbuilding Plants

Fla., Jacksonville—The Buckman Corp., Graham Bldg., reported to have purchased the United States Shipping Board drydock and St. John's River-front properties; will establish drydock operating plant; plans call for completion of repairs on drydock project within seven months, expending approximately \$150,000; drydock to be equipped to take care of vessels up to 420 ft. in length and of 7500 tons dead weight; city will probably dredge water-front property off pier No. 3 for the use of the drydock; bulkhead also

to be built. H. H. Buckman, Pres. the Buckman Corp., advises: "It is our intention to repair the dock and operate it at this port and we have concluded a twenty-year lease with the city of Jacksonville for a site for our operations at the Jacksonville Municipal Docks; we estimate that it will require about seven months to get the dock into operation."

Street Railways

Fla., Miami—George E. Merrick, 158 E. Flagler St., owner and developer of Coral Gables will begin construction of 4 mile interurban line from this city to suburb within 30 days; City will widen W. Flagler St. to 60 ft.; operation of line will probably be by Florida Power & Light Co.

La., Shreveport—Shreveport Railways Co. plans erecting new car barn, including machine shop and foundry; C. W. King, Archt., First National Bank Bldg., Shreveport.

Tex., Beaumont—The Eastern Texas Electric Co., A. F. Townsend, Mgr., will double track Sabine Pass line for distance of 1000 feet.

Telephone Systems

N. C., Asheville—E. A. Jackson, Ridgewood Place, and associates interested in establishing modern broadcasting station.

N. C., Winston-Salem—Southern Bell Telephone Co. and Telegraph Co., Atlanta, Ga., let contract to Barge-Thompson Co., 61½ N. Forsyth St., Atlanta, Ga., to erect 3-story, reinforced addition to present exchange building, doubling capacity of plant, estimated cost \$45,000; will install approximately \$55,000 equipment, including switchboards, central office equipment, etc., portion of which has been ordered.

Tex., Houston—Details under Land Developments.

Va., Norfolk—Chesapeake & Potomac Telephone Co., J. C. Brown, Mgr., will expend approximately \$25,000 on improvements to the Norfolk and Berkley plants.

Textile Mills

Ga., Ball Ground—J. B. Roberts, Pres. of Roberts Marble Co., and associates reported interested in establishment of textile mill.

Ga., Macon—Adams Duck Mills, capital \$150,000, incorporated by C. B. Willingham, B. T. Adams, Jr., and others.

N. C., Charlotte—Okey & Crawford Co. will install knitting machines at plant of Charlotte Knitting Co.

Miss., Natchez—Details under Miscellaneous Enterprises.

Tenn., Chattanooga—Lyerly Hosiery Mills, capital \$100,000, incorporated by W. B. Davis, 901 Vine St.; G. H. Miller, Charles A. Lyerly, Jr.; will establish mill for manufacture of ladies' hosiery.

Tenn., Jacksboro—Campbell Knitting Mills, capital \$100,000, incorporated by M. E. Baird, R. L. Moore, E. J. Beever.

Tenn., Knoxville—Attix Hosiery Mills, E. D. Attix, Pres., 721 N. Central Ave., plans erection of 2-story brick mill building at Morgan St. and Hudson Ave., 32x90-ft. with dye house, 18x33 ft.; second floor constructed to allow space for 2 stores; lower floor will be used for mill machinery; cost \$20,000.

Tenn., Loudon—Charles H. Bascom, Loudon, has acquired 3 hosiery mills of Taubel-Scott Co., at Lenoir City, Cleveland and Morristown.

Tex., Corpus Christi—Tom Bell, 617 Furman Ave., considering establishment of textile mill.

Water Works

Ala., Birmingham—Linger Longer Lodge, Inc., Carr McCormack, Pres., New Castle St.,

let contract to Wallace & Tierman Co., Newark, N. J. for installation of high pressure filtration and waterworks system, in swimming pool and clubhouse.

Fla., Fulford—Sunny Isles Water Co., Harvey B. Graves, Pres., will erect water softening plant and other water works improvements, including concrete reservoir, piers, 100,000 gal. elevated steel tank, cast iron piping, air compressors, chemical feed mechanism and other appurtenances; Main Engineering Co., Constl. Engrs., 14 Baker St., Daytona, Fla.

Fla., Miami—Details under Land Developments.

Fla., Sebring—City Council will soon call for bids for deep well with capacity of 1000 gals. per minute.*

Fla., Sebring—City, will expend \$320,000 on extension of water and sewer system, John P. Norcross, Engr.*

Fla., South Jacksonville—City votes Dec. 6 on \$375,000 bonds for municipal improvements, including extension of water mains, building municipal dock, extending electric light system, golf system, increased fire protection, etc. Address The Mayor.

Fla., Tampa—Details under Land Developments.

Ga., Dawson—City, R. R. Jones, Clk., will receive bids Sept. 17 to construct iron pipe water mains, etc. (See Machinery Wanted—Water Works.)

Ky., Ashland—City will vote in November on \$300,000 bonds for extension of water works.*

Ky., Russellville—City is having plans prepared by W. E. Biggs, Holston Bank Bldg., Tenn., for construction of \$50,000 water works plant, consisting of reservoir, filtration plant, etc.

La., Lake Charles—Details under Electric Light and Power Plants.

Md., Annapolis—City, Charles W. Smith, Mayor, votes Sept. 16 on construction of filtration plant.*

Md., Baltimore—V. Bernard Slems, Water Engr., was allotted \$16,000 for water main extensions; Bernard L. Crozier, Highway Engr., allotted \$37,000 for storm water drains in Highgate Drive and Devonshire Drive and \$38,000 for drains in Latona, Oakland, Magnolia and Gibbons Aves.

Miss., Natchez—Board of Water Commrs. let following contracts for water works and city improvements to Rogers-Higgins Co., Carondelet Bldg., New Orleans, for equipment and installation of fuel oil burning apparatus; Hayden Constr. Co., Jackson, has general contract and National Cast Iron Pipe Co., Birmingham, contract for water mains and special fittings; Henry A. Mentz, Constl. Engr., Magnolia.

Miss., Shuqualak—City, M. L. Paterson, Mayor, will receive bids Sept. 4 to furnish material and construct water works and electric light plant improvements. (See Machinery Wanted—Water and Electric Light Plant.)

Mo., Buffalo—City will vote on bonds for water system; Russell & Axon, Engrs., McDaniel Bldg., Springfield, Mo., are making preliminary survey.

Mo., Poplar Bluff—City plans voting on bonds to install \$125,000 water works system. Address The Mayor.

N. C., Clyde—City, Edwin Fincher, Mayor, will receive bids Sept. 11 to construct water works and sewers. (See Machinery Wanted—Water Works and Sewers.)

N. C., Lexington—Details under Electric Light and Power Plants.

N. C., Mt. Airy—City will increase water supply; will construct concrete water basin

with capacity of 472,000 gals., new tank or stand pipe 8-ft. high, 20-ft. in diameter, capacity 200,000 gals.; will also construct pipe lines from city water shed to pumping station, giving capacity of 1,000,000 gals. of water every 24 hrs. Address The Mayor.

N. C., Thomasville—City will issue \$257,000 bonds for complete water works system; W. C. Olsen, Engr., Raleigh, N. C.

Okla., Braman—City is considering installing \$25,000 water system, \$15,000 electric, \$15,000 sewerage and \$15,000 lateral system; many vote on bonds; address the Mayor.

S. C., Belton—City will issue about \$150,000 water and sewer bonds for construction of sewer system, extensions to water mains and water purification tanks; Carolina Engineering Co., Engrs., 917 Johnston Bldg., Charlotte, N. C.

S. C., Fort Mill—James T. Young, Chrmn. of Public Works Comsn., let contract to Hinson & McCoy, Rock Hill, S. C., to sink additional wells, improve and remodel present plant; \$10,000 bonds available.

S. C., Leesville—City will issue \$50,000 bonds for water works system; Carolina Engineering Co., Engrs., 917 Johnston Bldg., Charlotte, N. C.

Tex., Cumby—City, W. C. Edmonds, Mayor, voted \$40,000 bonds; will construct water works system; approximate following quantities: 13,500 ft. of 4-in., 1400 ft. of 6-in., 2400 ft. of 8-in. cast iron pipe; 8842 No. cast iron specials; 23 4-in. fire hydrants, 8 6-in. fire hydrants, 2-in. fittings; 7300 ft. of 2-in. galvanized iron pipe; 9 2-in. valves and boxes, 12 4-in. valves and boxes, 1 6-in. valve and box, 38-in. valves and boxes, 50,000-gal. tank and tower, 50,000-gal. storage tank, pumping machinery (electric), 1000 ft. hose and 4 nozzles; E. L. Dalton, Engr., Wilson Bldg., Dallas, Tex.

Tex., Grand Saline—City let contract to Municipal Engineering Co., Praetorian Bldg. for water reservoir.

Tex., Houston—Details under Land Developments.

Tex., Houston—City Council authorized \$60,000 bonds for drilling 5 artesian wells.

Tex., Mart—City let contract to McCall Construction Co., 307 Amicable Bldg., Waco, Tex. to construct dam in connection with water works system; \$150,000 bonds available.

Tex., San Antonio—Details under Land Developments.

Tex., Vernon—City, Harry Mason, Mayor, will open bids Sept. 9 for installation of water and light plant. (See Machinery Wanted—Generator Set.)

Tex., University Park—City, J. Fred Smith, Mayor, voted \$75,000 bonds for additional water supply, \$40,000 for fire stations and equipment.*

W. Va., Glenville—Glenville Water and Light Co. has under construction water plant of 500,000 gals. capacity, concrete reservoirs; install gas engine, 75 to 100 h.p.; centrifugal pumps, chlorinator, etc.; Howard K. Bell, Engr., Lexington, Ky.; A. I. Cottrell, Contr.* (See Machinery Wanted—Water Works Equipment.)

Woodworking Plants

Ark., Camden—Rockwell Manufacturing Co., T. J. Gaughan, Pres., increased capital to \$300,000; will make \$75,000 improvements to plant; manufacture crates, doors, windows, etc.

Fla., West Palm Beach—Faggs Millwork & Lumber Co., capital \$100,000, incorporated with Chris Fagg, Pres.; E. P. Frink, Sec.

La., New Orleans—Details under Miscellaneous Enterprises.

Mo., Springfield—Union Cooperage Co., 2nd and Penrose Sts., of St. Louis, Mo., has acquired 4000 acres timber land; will establish stave plant on Spring Creek.

N. C., Roaring River—B. L. Johnson & Co., capital \$150,000, incorporated by B. L. Johnson, Roaring River; R. G. Finley, North Wilkesboro; B. Benton Purlear; manufacture bee keepers' supplies, lumber products, etc.

Okla., Tulsa—Santo Bay Mahogany Co., capital \$1,000,000, incorporated by D. C. Dunaway, F. E. Shryock, 1345 S. Newport St.; J. C. R. O'Hara.

Tenn., Columbia—Cook Furniture Manufacturing Co., capital \$10,000, incorporated with Miles Cook, Pres.; Clarice Cook, Sec.; has leased building corner Tenth and School Sts.; will equip with machinery for manufacture of furniture, toys, etc.; will also install 25 h. p. boiler.*

Tenn., Ripley—Ripley Box and Basket Co., capital \$40,000, incorporated by W. F. Pagett, H. C. Wilcox, A. B. Klutts.

Tex., Ewing—Bohelssen Manufacturing Co. let contract to Lufkin Foundry & Machine Co., Lufkin, Tex., to rebuild burned hardwood mill; estimated cost \$100,000.

Tex., Fort Worth—M. System Manufacturing Co., capital \$50,000, incorporated by E. H. Carlton, J. B. Laski, 1012 Alston St.; T. H. Adkin; manufacture store fixtures.

Va., Norfolk—Thomason & Thompson Manufacturing Co., capital \$25,000, incorporated with W. S. Thomason, Pres.; J. L. Thompson, Sec., 737 N. Marshall Ave.; manufacture office fixtures and furniture.

Va., Winchester—Shenandoah Boxboard Corp., increased capital from \$60,000 to \$1,250,000.

FIRE DAMAGE

Ala., Attalla—Alabama Mill & Grain Co.'s plant; loss \$75,000.

Ala., Huntsville—Kildare Estate of Virginia McCormick; loss \$10,000.

Ala., Ragland—National Cement Co.'s plant; estimated loss \$1,000,000.

Ala., Talladega—A. W. Argo's store; loss \$15,000.

Ala., Troy—M. J. Ross & Son Shoe store.

Ark., El Dorado—Residences of D. O. Parker, P. L. Risinger and Saml. Jenks, Fairview suburb; loss \$12,000.

Ark., Texarkana—Clark Wynn's warehouse on West Broad St., loss \$25,000.

Ark., Warren—Pastime Theater owned by Jno. W. Richardson; McNurtey Pool Hall and Shoe Shop; Merchants & Planters Bank building; Rex Clothing Co., operated by Sines Watson; Arthur Watts Jewelry Co. total loss \$100,000.

Fla., Narcoossee—Hill & Co.'s planing mill and dry kiln; estimated loss \$10,000.

Ga., Warthen—Warthen-Brown Bros. and F. H. Bussell, mercantile establishments.

Ky., Empire—Empire Coal Co.'s plant in Christian County; estimated loss \$30,000.

Ky., Leander—Cumberland Pipe Line Co.'s 55,000 bbl. oil storage tank; estimated \$90,750.

Ky., Paintsville—Cumberland Pipe Line Co., 50,000 bbl. oil tanks; loss not estimated.

La., Bunkie—Inn Hotel, Liberty Theater and damaged postoffice and Winkler Motor Co. building; total loss \$50,000.

La., New Orleans—Third floor of Federal Land Bank Bldg., 821-27 Union St., loss \$10,000.

000, and third floor of Godchaux Bldg., 817-19 Union St., loss \$1500; former owned by Union Realty Co., latter by Godchaux & Mayer.

Md., Baltimore—Three-story building at 703 E. Baltimore St., occupied by S. Phillips' shoe store and Brown Bros., dress manufacturers.

Mo., Cumberland—Union Tanning Co.'s brick and concrete storage building and shed adjoining; loss \$80,000.

Mo., Kansas City—Kansas City Laundry Service Co.'s building, Seventh and Washington Sts.; loss \$50,000.

Mo., St. Louis—St. Louis Bale Tie Co.'s plant; loss \$25,000.

Mo., St. Louis—Commercial Automobile Body Co.'s wood drying plant at 4501 Bulwer Ave.; estimated loss \$25,000.

Mo., St. Louis—Allen's Park, Fairmont City, National Old Trails road; loss \$8000; address Luis La Bryer, proprietor.

Mo., Sedalia—Shaft and building of the W. H. Fewell Coal mine; loss \$12,000.

N. C., Alexander—Meriwether Hotel owned by Mrs. C. C. Meriwether and Mrs. Fred E. West's dwelling; loss \$20,000.

N. C., Charlotte—Frame building of the H. A. Garrison Brass Co., on Dowd Rd., loss not estimated.

N. C., Greensboro—Meyer stockroom in Latham Bldg., East Market St.; loss \$35,000.

N. C., LaGrange—S. W. Tew's tobacco warehouse.

N. C., Marion—Portion of McDowell Furniture Co. building; loss \$35,000.

N. C., Robersonville—Robersonville Electric Light Co.'s plant; estimated loss \$25,000.

Okla., Oklahoma City—Russell Products Co.'s plant; estimated loss \$25,000.

Okla., Stillwater—Beef cattle barn at Agricultural and Mechanical College; loss \$30,000.

Tenn., Junction City—C. D. Kyle's residence.

Tenn., Knoxville—Service station, loss \$8000; address A. H. Simmons.

Tenn., Nashville—Federal System of Bakeries plant at Fifteenth Ave. and Broad St.; loss \$65,000.

Tex., Beaumont—Henry Thomas' residence, Calder Rd.

Tex., Perryton—Warehouse of Plainview Hardware & Furniture Co.; loss \$10,000.

Tex., Cotulla—Cotulla Cafe, Ball's restaurant, Cotulla Record office, Pease Barber shop, Chamber of Commerce office and post office; total loss \$20,000.

Tex., El Paso—S. H. Kress department store; loss \$100,000; address M. L. Klein, Mgr.

Tex., Georgetown—Hoyle House; loss \$10,000; address the Proprietor.

Tex., Garwood—Faber Telephone Co., Loprize blacksmith shop, Genzer meat market, Williams barber shop, Frank Otto's paint and repair shop, Scheutler Bros.'s cold drink stand; total loss \$30,000.

Tex., Houston—Eight-story Settegast Building; loss \$200,000.

Tex., Nacogdoches—Hank Johnson's country residence in Alazen community, 11 miles S. W. of Nacogdoches; loss \$10,000.

Tex., Palestine—Warehouse and smaller building owned by Aber Box & Basket Factory; loss \$20,000 to \$25,000.

Tex., San Angelo—Angelo Produce Co.; loss \$8000; Dallas Produce Co.'s warehouse; loss \$7000.

Tex., Sherman—Store at 5 N. Travis St.

operated by T. F. Brown and owned by Mrs. David Bryant; loss \$16,000.

Tex., Tyler—Pete L. White's lumber mill, estimated loss \$7500.

Tex., Waco—School building on South Eighth St.; loss \$35,000; address E. H. Valden, Sec. School Board.

Va., Bristol—Restaurant, waiting room and garage of W. P. Maness and son, East State St.

Va., Culpeper—George Hiden's barn; loss \$25,000.

Va., Exmore—High school building; loss

\$30,000; address Northampton County Board of Education, Eastville.

Va., Norfolk—Engle Brothers' store building, Main St.; loss \$150,000.

Collapsed

Mo., St. Louis—Three-story brick building occupied in part by Ernest Hugenschmiltz; loss \$25,000.

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ala., Foley—Foley Masonic Temple Building Assn., M. S. Dreitzler, J. D. Manning and C. A. Boller, Bldg., Comm., will receive bids Sept. 1 for 2-story temple; Geo. B. Rogers, Archt., Van Antwerp Bldg., Mobile, Ala.*

Ala., Selma—Young Men's Christian Assn., H. C. Armstrong, Pres. Board of Directors, will have specifications for Spanish Renaissance type of building, Broad St., ready latter part of August and open bids latter part of September; cost \$138,000, fireproof, stucco, 3 stories, 110x135 ft., tile and concrete floors, concrete foundation, tile roof, hollow and interior tile, ornamental terra cotta, ventilators, rolling partitions, wire glass; equipment, furnishings, etc., about \$15,000; Wm. Leslie Welton, Archt., American Trust & Bank Bldg., Birmingham, Ala. Address Mr. Armstrong.*

Ark., Arkadelphia—Ku Klux Klan No. 16, Junior Klan and Woman's Auxiliary will erect 2-story brick klavern; first floor for business purposes, halls on second floor.

Ark., Little Rock—Young Men's Christian Assn., J. Blaine Withee, Sec.; G. DeMatt Henderson, 1803 Broadway, Chmn. Bldg. Comm., plans to sell present property and conduct campaign for \$500,000 to erect new building.

Ky., Lexington—Phoenix Lodge No. 25, K. of P., W. L. Dawson, Chmn., Bldg. Comm., will receive bids Sept. 1 at office Arthur Gannin, Archt., care Hendricks, Moore & Co., 417 Georgetown St., Lexington, for 2-story and basement, 44x80-ft., brick building.*

Ky., Louisville—Louisville Council, K. of C., will erect \$500,000 building, 816-24 S. 4th St.; 7 stories with foundation to carry additional stories; 140 bedrooms, educational and recreational facilities, including gymnasium, swimming pool, handball courts, bowling alleys, library, reading room, auditorium to seat 2000, etc.; Thos. J. Nolan, Archt., C. & S. Bldg., Louisville.

Ky., Mayfield—Mayfield Post, American Legion, L. S. Anderson, Chmn., Bldg. Comm., will erect \$50,000 memorial building, S. 7th St.; gymnasium in basement, auditorium and balcony above; 72½x110 ft., concrete foundation, steam heat, usual theatre and stage lighting, showers; D. H. Jamieson, Archt., Paducah, Ky.; will probably let contract in September. Address X. B. Wickersham, Mayfield.*

La., Hammond—Livingston Lodge No. 160, A. F. & A. M., plans to erect \$100,000 temple.

Mo., Hollister—J. P. Hinton, Pres., Young Men's Christian Assn., Hannibal, Mo., is conducting campaign for \$10,000 to erect field stone auditorium at Y. M. C. A. camp as memorial to J. H. Banks.

Mo., Kansas City—Ararat Shrine Assn.,

Fred O. Wood, Pres., 2219 Swope Parkway, purchased site, 11th and Central Sts., and is considering erection of \$1,000,000 Ararat Shrine Temple; work to probably begin in fall; tentative plans call for room to seat 3000, dining room, administration offices, club features and roof garden.

N. C., Enfield—Enfield Scottish Rite Bodies, Geo. R. Bennette, Field Sec., will let contract about Sept. 26 for \$75,000 3-story temple; Benton & Benton, Archts., Wilson, N. C., will have plans and specifications completed within few days.

Okla., Perry—Ancient Free and Accepted Masons, B. R. Lucas, Sec., Bldg. Comm., will open bids about Sept. 1 for reinforced concrete and brick temple, cost \$50,000, stone trim, concrete foundation, pine and oak floors and finish, structural steel, tar and gravel roof; Hawk & Parr, Archts., Security Bldg., Oklahoma City, Okla.*

Okla., Tonkawa—American Legion plans to erect \$30,000 clubhouse; 2 stories, brick; equipment, furnishings, etc., about \$5000; address bids on office furniture, opera chairs, etc., to A. W. Horton, Tonkawa.*

Tex., Austin—Lone Star Chapter No. 6, Royal Arch Masons, York Rite, Milton Morris, Sec., selected W. E. Ketchum, Pope Bldg., Austin, and Jas. B. Davies, 1308 Hemphill St., Fort Worth, Tex., as associate architects for temple.*

Tex., Waco—Lodge No. 166, B. P. O. E., Otto Fullen, Exalted Ruler, 1524 N. 5th St., will receive bids about Sept. 1 for remodeling and erecting 2-story addition to building, Columbus and 5th Sts.; brick, stone, hollow tile and stucco, maple floors, plaster board, wire glass, asphalt roof; new front on old building; cost about \$10,000; Roy E. Lane, Archt., Chamber of Commerce Bldg., Waco.*

Bank and Office

Fla., Bradentown—Bradentown Bank & Trust Co., R. D. Horney, Vice-Pres., will erect \$250,000 eight-story bank and office building, Manatee Ave. and Broad St.; M. Leo Elliott, Archt., Citizens Bank Bldg., Tampa, Fla., will probably have plans ready in about 30 days.*

Fla., Tampa—Florida Mortgage, Title & Bonding Co., Chas. H. Brown, Pres., will not have plans ready for about 2 weeks for bids on 12-story office building, Franklin and Lafayette Sts.; cost \$1,000,000 to \$1,500,000, brick, marble, stone, hollow tile, concrete and steel; ground floor for owner, 150 offices above; B. C. Bonfoey, Archt., Tampa.*

Ky., Central City—A. Levine is receiving bids on 5-story and basement building, Broad and Locust Sts.; 30x70 ft.; stores on first floor, offices above.

Ky., Drakesboro—Black Diamond Coal Co.

will rebuild offices recently burned; cost \$25,000, 1 story and basement, about 75x100 ft.; C. W. Kimberlin, Archt., Owensboro, Ky.

La., Shreveport—Standard Oil Co. will remodel ground floor of Continental Bank & Trust Co. building for Continental Bank & Trust Co., R. McL. Jeter, Cashr.; cost \$50,000; add 3 tellers' windows, etc.

Md., Towson—Black & Decker Manufacturing Co., Joppa Rd., will start work about Sept. 1 on 1-story, 52x185-ft., hollow tile and stucco office building; Geo. Norbury MacKenzie 3rd, Archt., 712 Evesham Ave., Baltimore.

Miss., Hattiesburg—J. J. Newman Lumber Co. will erect brick and concrete office building, Newman St., to replace structure lately noted burned at \$25,000 loss.

Miss., Jackson—Mississippi Fire Insurance Co., C. W. Mounger, Sec., will receive bids about Sept. 12 for fireproof office building, Congress and Washington Sts.; 2 stories, 90x70 ft., face brick and terra cotta, tile roof; N. W. Overstreet, Archt., Overstreet Bldg., Jackson.*

Mo., Kansas City—First National Bank, E. F. Sweeney, Pres., plans to erect 4-story stone addition to building, 10th St. and Baltimore Ave.; site 29x140 ft.

N. C., Baltimore—Yarrow Development Co., 24 Forest Rd., A. E. Yarrow, Mgr., is receiving bids for 12-story and basement Professional Bldg.; steel frame, face brick, terra cotta trim, about 50x90 ft.; cigar, drug and grocery stores and restaurant on first floor, offices for physicians and others on upper floors; building to be owned and operated by Professional Building Corp., which will be incorporated when contractor's bids are in; plans and specifications from F. Mauro, Archt., First National Bank Bldg., Birmingham, Ala.; other information from Yarrow Development Co. (Previously noted under N. C., Asheville.)*

S. C., Rock Hill—Citizens Bank & Trust Co., John R. Shurley, Vice-Pres., will probably let contract latter part of September for 5-story bank and office building, Main and Caldwell Sts.; fireproof, probably limestone and brick, elevators, probably roof garden; shops, storage room and heating plant in basement; C. C. Hartmann, Archt., Jefferson Bldg., Greensboro, N. C.*

N. C., Salisbury—Wachovia Bank & Trust Co., Winston-Salem, N. C., will receive bids Aug. 29 (extended date) at Salisbury office for 4-story and mezzanine fireproof bank and office building, Main and Council Sts.; brick, stone and steel with limestone and terra cotta trim, 55x94 ft., 7 tellers' windows, vaults, elevators, marble trim and Duratex floor in banking room; 15 offices on second floor and 17 on each of 2 upper floors; Northrup & O'Brien, Archts., Winston-Salem.*

Okla., Tulsa—Dr. C. W. Day, Temple Apts., is reported receiving bids for brick, stone, terra cotta and reinforced concrete fireproof Medical Arts Bldg.; Rush, Endacott & Rush, Archts., 101 Lorton Bldg., Tulsa.*

Tenn., Decatur—Meigs County Bank will erect 2-story bank building; brick and frame construction, 25x85 ft., concrete foundation, asphalt built-up roof; Manley, Young & Meyer, Archts., 302 W. Church Ave., Knoxville, Tenn.*

Tenn., Memphis—Hanker & Cairns, Archts., Scimitar Bldg., Memphis, prepared plans for \$15,000 Lee Bldg., Main and Madison Sts.; 2 stories, stucco walls.

Tex., Fort Arthur—John R. Adams will receive bids Aug. 29 (extended date) at office H. C. Mauer, Archt., 950 Spruce St., Beaumont, Tex., for erection and completion of 6-story and part basement, reinforced concrete, brick, stone, granite, terra cotta, tile,

etc., store and office building; cost about \$500,000, 140x144 ft., cement, tile and hardwood floors, wood pile foundation, hollow and interior tile, metal and rolling doors, vaults, mail chutes, vault lights, ventilators, ornamental terra cotta, steel sash and trim, wire glass, composition roof; R. J. Cummins, Struct. Engr., Gulf Bldg., Houston, Tex.*

Churches

Ala., Birmingham—Fifth Avenue Presbyterian Church is laying foundation of \$250,000 Gothic type building, 6th Ave. and 18th St., and will let contract about Aug. 30; 4 stories, about 190x200 ft.; R. H. Hunt Co., Archt., James Bldg., Chattanooga, Tenn.; H. D. Breeding, Asso. Archt., Birmingham; address W. M. Cosby, 1501 Avenue A, Birmingham, for bids on equipment, furnishings, etc., to cost about \$100,000, and including seats, pianos, dining room, kitchen and office furniture, carpets and everything needed for church and educational plant.*

Fla., Miami—Trinity M. E. Church, South, E. P. Duncan, Chmn., Bldg. Comm., selected E. L. Robertson, 225 N. E. 34th St., Miami, as architect for \$70,000 to \$75,000 Sunday school building, N. E. 4th St.*

Ga., Atlanta—Edgewood Baptist Church has permit for \$12,000 building, Mayson and Iverson Sts.; 2 stories, brick veneer. Address The Pastor.

Ky., Mechanicsburg—Methodist Church will erect \$25,000 building; 2 stories, brick, auditorium to seat 500; G. T. Smith, Archt., Paducah, Ky.

Ky., Mount Sterling—Christian Church contemplates erecting church and Sunday-school building. Address The Pastor.

Ky., Paducah—Third Street Methodist Church contemplates erecting \$50,000 building; 2 stories; auditorium to seat 500. Address The Pastor.

Ky., Paducah—Presbyterian Church plans to remodel and erect addition to building; cost \$50,000 to \$60,000. Address The Pastor.

Ky., Williamsburg—First Baptist Church, J. B. Gatliff, Chmn. Bldg. Comm., will have plans completed Sept. 5 for \$150,000 brick building; pine and concrete floors, concrete foundation, hollow and interior tile, metal ceilings, ventilators, ornamental terra cotta, rolling partitions; Dougherty & Gardner, Archts., Stahlman Bldg., Nashville, Tenn. Address Mr. Gatliff.*

La., Belcher—Presbyterian Church will erect building; Jones, Roessle, Olschner & Wiener, Archts., Ardis Bldg., Shreveport, La., and 1001 Maison Blanche Bldg., New Orleans, La.

La., Minden—Presbyterian Church will erect building; Jones, Roessle, Olschner & Wiener, Archts., Ardis Bldg., Shreveport, La., and 1001 Maison Blanche Bldg., New Orleans, La.

La., Ruston—Presbyterian Church will erect building; Jones, Roessle, Olschner & Wiener, Archts., Ardis Bldg., Shreveport, La., and 1001 Maison Blanche Bldg., New Orleans, La.

La., Shreveport—First Presbyterian Church, Dr. Jasper K. Smith, Pastor and Chmn., Bldg. Comm., Fairfield Ave., will receive bids Sept. 15 for fireproof church and Sunday school buildings, Jordan St.; cost about \$250,000, exclusive of organ, furniture and equipment, English Gothic type, steel and reinforced concrete frame, rough faced brick exterior, stone trim, vapor system of heat, ventilating system, main auditorium to seat 1000, 3 balconies; Sunday school 4 stories; Jones, Roessle, Olschner & Wiener, Archts., Ardis Bldg., Shreveport, and 1001 Maison Blanche Bldg., New Orleans, La.*

La., Shreveport—King's Highway Christian Church, Rev. A. Perston Gray, Pastor, will erect \$100,000 brick building on site of present structure; Jones, Roessle, Olschner & Wiener, Archts., Ardis Bldg., Shreveport, and 1001 Maison Blanche Bldg., New Orleans, La.*

Md., Baltimore—Bethlehem Evangelical Lutheran Church, Rev. J. Geo. Spilman, Pastor, will receive bids Aug. 30 for chapel, Belair Rd. near Clifftown Ave.; 44x25 ft., 1 story and basement, concrete foundation, brick and terra cotta construction, asphalt shingle roof, metal ceilings, steel sash and trim, leaded glass, plaster board, ventilators, hollow tile, electric lights, gas-steam heat; John J. Zink, Archt., 126 Overland Ave.; following contractors estimating: L. J. Eichner, 201 N. Liberty St.; E. Eyring & Sons Co., 3501 Fair Ave.; P. H. Guttman & Co., 1536 N. Gay St.; Lohmuller Building Co., 3001 Greenmount Ave.; C. F. Richter, 38 S. Liberty St., all Baltimore. Address Archt.

Miss., Hattiesburg—First Baptist Church will erect auditorium and remodel present structure; cost about \$80,000; N. W. Overstreet, Archt., Overstreet Bldg., Jackson, Miss.*

Miss., Jackson—First Baptist Church will probably receive bids within next 60 days for completion of fireproof Gothic type building; concrete foundation laid; cost about \$300,000, reinforced concrete, structural steel, stone and face brick, hollow and interior tile, concrete floors, ventilators, rolling partitions; N. W. Overstreet, Archt., Overstreet Bldg., Jackson, Miss., has plans about finished.*

N. C., Durham—Olive Branch Baptist Church, 6 miles E. of Durham, will erect building. Address The Pastor.

N. C., Mount Airy—C. Gilbert Humphries, Archt., Winston-Salem, N. C., advises he has no plans for \$50,000 Moravian Church; Crews and Humphries lately noted architects. Address Rev. C. D. Crouch, Pastor.*

N. C., Thomasville—Main Street M. E. Church, Col. F. S. Lambeth interested, is considering purchasing Strayhorn property on Randolph St. and erecting building.

Tenn., Harriman—Trenton Street Baptist Church will receive bids Aug. 30 for brick building; cost \$60,000, about 60x120 ft., oak and concrete floors, concrete foundation, interior tile, ornamental terra cotta, asbestos roof; R. F. Graf & Sons, Arnstein Bldg., Knoxville, Tenn.*

Tenn., Jackson—Trinity Methodist Church will remodel building; cost \$10,000; Luther Parham, Archt., Jackson.

Tenn., Memphis—Trinity Methodist Church plans to erect building; Hubert T. McGee, Archt., Madison Avenue Bldg., Memphis.

Tenn., Milan—Methodist Episcopal Church, South, will remodel and erect addition to building; cost \$16,000; Luther Parham, Archt., Jackson, Tenn.

Tex., Dallas—First M. E. Church, South, E. Gordon Perry, member, Bldg. Comm., 4515 Rawlins St., will receive bids Sept. 10 for construction and equipment of building, Ross Ave. and Harwood Sts.; cost \$650,000; main auditorium to seat 2500, 4-story Sunday school section with assembly hall to seat 3500. Address R. H. Hunt Co., Archts., 1301 S. U. Life Bldg., Dallas.

Tex., Austin—South Austin Baptist Church Bldg. Comm., Box 428, will receive bids Sept. 10 for building, intersection S. Congress Ave. and E. Monroe St.; plans and specifications from Free & Williams, 513 1/2 Congress Ave.

Tex., Bastrop—Methodist Church is having plans prepared by Geo. Walling, 2614

Rio Grande St., Austin, Tex., for \$40,000 building; brick, stone and reinforced concrete, 1 story and basement, slate roof, steam heat, stained glass; accommodate 350.

Tex., Houston—St. Nicholas Church, Rev. F. C. Schappert, Pastor, will erect \$25,000 brick and hollow tile building; Leo M. J. Dielmann, Archt., 306 E. Commerce St., San Antonio, Tex.

Tex., San Antonio—First Baptist Church, 126 Fourth St., has low bids at \$158,981 from Lon T. Wright & Co., City National Bank Bldg., for fireproof auditorium, 4th and Taylor Sts.; concrete frame, steel trusses, 1 story and small basement, 130x130 ft., cork composition and cement floors, concrete pier foundation, Spanish clay tile roof, interior tile, steel sash and trim, wire glass; Will N. Noonan, Archt., 240 Moore Bldg.; Wallace Rogers, Chmn., Bldg. Comm., 236 Hollywood St., all San Antonio.*

Tex., Stamford—Presbyterian Church will erect \$22,000 building; brick and concrete, 1 story, 50x70 ft., auditorium and 12 Sunday-school rooms; seat 270; Wm. Nicol & Geo. F. Campbell, Archts., Abilene, Tex.

Tex., Waco—Dean-Highland Baptist Church, Rev. Robt. Edwin Smith, 1818 S. 10th St., Pastor, will soon let contract for \$30,000 main auditorium and basement; \$10,000 Sunday-school annex to be erected later; Birch D. Easterwood, Archt., 614-15 Liberty Nat'l Bank Bldg., Waco.*

Va., Portsmouth—Park View Baptist Church plans to start construction about Sept. 1 of \$75,000 Colonial building; Wickham C. Taylor, Archt., Citizens Bank Bldg., Norfolk, Va.

W. Va., Huntington—St. Pauls Lutheran Church, Rev. C. E. Butler, Pastor, advises contract for \$125,000 building, 12th Ave. near 7th St., will not be let for 2 or 3 weeks; auditorium to seat 500; Wm. Francis Diehl, Archt., Robson-Prichard Bldg., Huntington.*

City and County

Fla., Arcadia—City Hall—City plans to erect city hall; \$15,000 already available. Address The Mayor.

Fla., DeFuniak Springs—Courthouse—Walton County considering erecting courthouse. Address County Commrs.

Fla., Ecstis—City Hall—City defeated \$75,000 bonds for city hall.*

Fla., Miami—Fair Buildings, Armory, etc.—Dade County voted \$1,769,000 bonds, including \$100,000 for permanent buildings at fair grounds and \$100,000 for armory. Address County Commrs.

Fla., Orlando—Municipal Auditorium—City Jas. L. Giles, Mayor, will vote Sept. 30 on \$190,000 municipal auditorium bonds.

Fla., Tampa—Fire Stations—City, W. Lesley Brown, City Mgr., has low bid at \$26,800 from Logan Bros., Tampa, for 2 fire stations, S. E. cor. Michigan Ave. and 12th St. and Hillsborough Ave., Seminole Heights.*

Ga., Macon—Fire Station—City, Osgood Clark, City Clk., will receive bids Sept. 2 for fire engine house, Plo Nono Ave.; plans and specifications at office W. J. Beeland, Bldg. Inspector.

La., New Orleans—Fire Station—Purchasing Div., Dept. of Public Finances, Room 24, City Hall, will receive bids Sept. 9 for 2-story brick and frame central fire station, Opelousas Ave. and Teche St., Algiers; plans by A. S. Montz, City Archt., Title Guarantee Bldg., New Orleans.*

Miss., Vicksburg—Fire Station—Board of Mayor and Aldermen, J. J. Hayes, Mayor, will receive bids Sept. 15 at office S. S. Patterson, City Clk., for central fire station, Walnut and S. Madison Sts.; plans and specifications from W. A. Stanton, Archt., 308 First National Bank Bldg., Vicksburg.*

N. C., Fayetteville—Courthouse and Jail—Cumberland County Commrs., A. E. Poe, Chmn., has retained two lowest bids from W. P. Rose, Goldsboro, N. C., and Carolina Construction Co., Hamlet, N. C., on \$400,000 courthouse and jail and returned others; award of contract pending following injunction to restrain County Commrs. from erecting courthouse and jail at this time; Harry Barton, Archt., Jefferson Bldg., Greensboro, N. C.; Stiles S. Dixon, Asso. Archt., Fayetteville.*

N. C., High Point—Fire Station—City, R. L. Pickett, City Mgr., will receive bids Sept. 2 for fire station, N. Main St., Mechanicsville; plans and specifications on file at office Herbert B. Hunter, Archt., Wachovia Bank & Trust Bldg., High Point.*

Okla., Oklahoma City—Courthouse Remodeling—Oklahoma County, Ralph James, County Engr., plans to remodel courthouse; tear out partitions on fourth floor and make 4 court rooms; also construct workroom and jury room.

Tenn., Columbia—Fire Station—City will erect \$10,000 fire station, Garden St.; C. K. Colley & Co., Archt., Nashville, Tenn., bids opened Aug. 25.

Tenn., Jackson—Fire Station—City will erect bungalow type fire station, Northwest Jackson; cost, including equipment, \$35,000. Address The Mayor.

Tex., Dallas—Municipal Auditorium—City, John C. Harris, Commr. of Finance, will erect 3-story municipal auditorium on Fair Grounds; cost without furnishings and equipment, \$425,000; Spanish type, concrete, steel and pressed face brick with artificial stone and gray tile trim, entire stage and stairways fireproof, remainder semi-fireproof, 234x236 ft., concrete floors and foundation, composition roof, hollow and interior tile, ventilators, ornamental terra cotta, steel sash; Lang & Witchell, Archts., American Exchange Bank Bldg., Dallas, advise bids will be received in about 2 months; E. J. Russell, Const. Archt., 5814 Cabanne St., St. Louis, Mo.*

Tex., Karnes City—Courthouse—Karnes County, D. O. Klingeman, Judge, will receive bids Sept. 15 (extended date) for remodeling work and additions to courthouse; brick, stone and reinforced concrete; cost \$45,000.*

Va., Fort Myer Heights—Jail—Arlington County, Capt. John T. Yalman, Mgr. Board of Supervisors, will vote Oct. 1 on \$125,000 bonds for jail, fireproof record room and heating plant; Milburn, Heister & Co., Archts., Union Savings Bank Bldg., Washington, D. C., and Durham, N. C.*

Dwellings

Ala., Florence—B. A. Rogers will erect residence; Geo. C. Norton, Archt., Nashville, Tenn.

Ark., Gravette—R. L. Neely plans to erect residence.

Ark., Little Rock—J. F. Azbell, 123 W. Second St., will erect residence, 524 Maple St.

Ark., Pine Bluff—John Roma, Engr., 1100 E. 7th St., Cotton Belt Ry., will erect 8-room frame residence, 14th and Elm Sts.; Riley Feed Manufacturing Co. to furnish brick, lime, cement, Texas cement plaster and Johns-Manville asbestos base shingles; paint

by Standard Paint Co., 519 Main St., both Pine Bluff.

Ark., Pine Bluff—H. A. Tucker will erect residence, 12th and Cedar Sts.; Riley Feed Manufacturing Co., 309 Alabama Ave., Pine Bluff, to furnish American magnestone stucco and Texas cement plaster.

Fla., Leesburg—McCormick-Hannah Lumber Co. will erect 6-room dwelling, S. 6th St. near O'Brine St.

Fla., Miami—D. C. Walker will erect \$18,000 residence, N. E. 33rd St. near 3rd Ave.; 2 stories, hollow tile.

Fla., Miami—Frank A. Keene, 2106 N. E. 2nd Ave., will erect \$19,000 residence, N. W. South River Drive and 15th Ave., Grove Park; 2 stories, reinforced concrete and hollow tile, red tile roof, Italian type; Henry La Pointe, Archt., 152 E. Flagler St., Miami.

Fla., Miami—Russell Bartmes plans to erect concrete bungalow, S. W. 5th St. near 20th Ave., West Shenandoah.

Fla., Miami—Jerome Cherbino, 1119 Lincoln Rd., Miami Beach, will erect \$25,000 reinforced concrete and hollow tile residence, Golden Beach subdivision; preparing plans.

Fla., Miami—D. J. Doyle will erect \$25,000 residence, Golden Beach subdivision; preparing plans.

Fla., Miami—Paul J. Rutan, care Meteor Transport & Trading Co., will erect \$18,000 residence, N. W. 10th St. near 15th St.; 2 stories, reinforced concrete and hollow tile.

Fla., Miami—C. E. Shull plans to erect residence, S. W. 11th Terrace and 18th Ave., Shenandoah.

Fla., Miami—Matt Stobs, 1306 N. E. 2nd Ave., plans to erect 2 concrete block and tile Spanish type dwellings, S. W. 11th Terrace near 17th Ave.

Fla., Miami—E. O. Upton will erect \$12,000 duplex residence, 440 S. W. 10th Ave.; 1 story, 54x43 ft., cement block and stucco.

Fla., Miami—Raymond M. Young plans to erect residence, S. W. 18th St. near 18th Ave.

Fla., Miami Beach—A. N. Fuson, 109 Washington Ave., will erect 2-story duplex residence, 1612 Euclid Ave.; cost about \$10,000.

Fla., Miami Beach—Alvin L. Sammons, 109 Washington Ave., will erect \$14,000 two-story duplex residence, 1018 Euclid Ave.

Fla., Sarasota—C. B. Walter and Mr. Carey, both Plant City, Fla., plan to erect number of dwellings.

Fla., St. Petersburg—Virgil H. Pace, 333 Fourteenth St., N., will erect \$15,000 frame and stucco residence and garage, 19th Ave., North, near Cherry St.

Fla., Tampa—Dr. H. E. Opre purchased 38 riverfront lots in West Tampa and plans to erect number of dwellings; total cost about \$100,000.

Fla., Tampa—Frederic Mayes, Archt.-Contr., Tampa, is preparing plans for number of dwellings in Virginia Park.

Fla., Tampa—Martin Carabelle will erect residence, Barcelona St. and Virginia Park.

Fla., Tampa—Mrs. Jessie E. Jimson will erect \$12,000 residence and garage, DeBois St.

Ga., Atlanta—Chas. L. Gately, Peachtree Rd., will erect \$45,000 hollow tile and stucco residence; 2 stories, about 9000 sq. ft., hardwood floors, brick foundation, slate roof; Hentz, Reid & Adler, Archts., 1330 Candler Bldg., Atlanta.*

Ga., Macon—Vineville Improvement Co. will erect 2 brick veneer dwellings, Sewanee Ave.; total cost \$10,000.

Ky., Lexington—W. Preston Price selected H. A. Churchill, Lexington, as architect for \$50,000 residence, E. Main St.; brick or stucco.*

Ky., Morehead—A. B. McKinney will erect \$10,000 residence; John W. Crone & Son, Archts., Winchester, Ky.

Ky., Owensboro—C. W. Kimberlin, Archt., Owensboro, is preparing plans for \$10,000 residence; 2 stories and basement.

Ky., Paducah—W. F. Bradshaw will remodel residence; cost about \$25,000; Nevin, Wischmeyer & Morgan, Archts., Starks Bldg., Louisville, Ky.

Ky., Sargent—Burdine Webb will erect residence; contract within few days.

Ky., Whitesburg—S. T. Wright will erect residence; contract at once.

Md., Baltimore—Louise C. Bowles will erect \$30,000 residence and garage, S. side Whitefield Rd. near Charles street Ave.; 2½ stories, brick.

Md., Baltimore—Landbeck-Ziener Co. will erect 4 frame dwellings, W. side Clover Rd. S. of Glen Ave.; total cost about \$12,000.

Md., Baltimore—Mrs. Irene M. Arnett, 3605 Springdale Ave., will erect \$20,000 duplex residence, Hilton St. and Dorchester Rd., Ashburton; 2½ stories, hollow tile and stucco; Fredk. E. Beall, Archt., 306 St. Paul St., Baltimore.

Md., Baltimore—Highland Home Building Co., 3rd St. and Esther Place, will erect 15 two-story brick dwellings, S. E. cor. Montpelier and Baylor Sts.; total cost \$50,000.

Miss., Brandon—Sidney McLaurin will erect \$15,000 Colonial residence; 1 story, frame, steam heat; N. W. Overstreet, Archt., Overstreet Bldg., Jackson, Miss.

Miss., Brookhaven—Roy Boadwee will erect duplex dwelling, S. Church St.

Miss., Brookhaven—Dr. T. H. McNair will erect 6-room residence, Warren Ave.

Miss., Brookhaven—M. R. McRee will erect bungalow, Chickasaw St.

Mo., Carthage—Chas. W. Hines will erect 6-room residence, Garrison Ave.

Mo., Independence—Roy Johnson will erect residence, Delaware and Van Horn Sts.

Mo., Independence—Wm. Webb will erect bungalow, 1116 S. Woodland St.

Mo., Kansas City—W. M. Reddy, 4943 Central St., will erect 8 dwellings, 3200-14 E. 60th St.; total cost \$16,000.

Mo., Kansas City—E. C. White will erect residence, 114 E. 66th St.

Mo., Kansas City—Chas. A. Smith, Archt., 4140 Harrison St., purchased homesite, Meyer Blvd., Greenway Fields.

Mo., Kansas City—P. J. Steers, Engr., will erect \$15,000 English type residence, 74th and Wyoming Sts.

Mo., Kansas City—Chas. M. Woodward purchased 21 lots, 35th St. and Jackson Ave., and will erect number of dwellings.

Mo., Kansas City—Chas. M. Chandler will erect \$10,000 residence, 5142 Main St.

Mo., Kansas City—R. L. Falkenberg & Co., 411 W. 75th St., will erect 3 dwellings, 221 Dartmouth, 1251 Huntington and 6544 Summit Sts.; total cost \$24,000.

Mo., Kansas City—Hoyt & King will erect 3 dwellings, Brooklyn Ave.; owners build.

Mo., Kansas City—Swearingen-Clark will erect 4 dwellings, 3516-17-19-21 Norton St.; total cost \$12,000.

Mo., Maryville—Geo. B. Baker will erect residence, Grand and College Aves.

Mo., Mexico—Mrs. Maggie Smith will erect 2-story residence, Cole St.

Mo., Springfield—Florence Compton will erect residence, 616 Grand St.

Mo., Springfield—Springfield Planing Mill, 517 N. Campbell St., has permit for residence, 918 Wellen St.

Mo., Springfield—R. Y. Thomson, 735 S. Main St., will erect residence, 492 Grand St.

N. C., Asheville—Mrs. L. H. Watson, Miami Beach, Fla., will erect \$10,000 residence, Grovemont Park.

N. C., Greensboro—A. R. Perkins, 417 Church St., will erect two \$5000 dwellings, E. Fisher Ave. near Church St.

N. C., Winston-Salem—J. S. Bergman, Miller Flats, will erect \$10,000 residence, West End Blvd.; 12 rooms.

N. C., Winston-Salem—L. E. Martin, 857 N. Liberty St., will erect \$10,500 residence, Hawthorne Rd.; 8 rooms.

Okla., Okmulgee—Sandy Fax will erect \$20,000 residence; 1 story, 39x69 ft., brick, concrete foundation, red tile roof, oak floors, pine finish, I-beams and angle irons, gas vapor heating, metal lath, waterproofing, mortar colors, deadening quilt; Paul E. Meeting, Archt., 1110 E. 4th St., Okmulgee.

Tenn., Johnson City—G. T. Wofford will erect \$25,000 residence; Coll & Cardwell, Archts., Johnson City.

Tenn., Knoxville—D. E. Hate will erect \$18,000 residence, Kingston Pike; Barber & McMurray, Archts., 425 W. Clinch Ave., Knoxville.

Tenn., Knoxville—Dr. H. M. Greene, Greene Bldg., 108 E. Vine Ave., plans to erect residence, Payne and Patton Sts.; A. B. Baumann & A. B. Baumann, Jr., Archts., 813½ Market St., Knoxville.

Tenn., Jackson—A. S. McElvy will erect \$10,000 one-story and basement brick residence; Luther Parham, Archt., Jackson.

Tenn., Memphis—Chas. Shannon, City Water Commr., will erect \$10,000 residence, Dickinson St.

Tenn., Nashville—H. B. Wilkerson, Mgr. National Biscuit Co., 158 Second Ave. S., will erect \$20,000 residence at Woodlawn; 2 stories, 84x54 ft., brick with stone trim, wood shingle roof; Asmus & Clark, Archts., Stahlman Bldg., Nashville.

Tenn., Memphis—J. R. Paine, 1674 S. Parkway St., plans to erect \$25,000 residence; probably 2 stories and basement, brick and stone.

Tenn., Memphis—A. F. Alexander, care Ozburn-Abston Co., 610 Monroe St., will erect \$10,000 residence, Wellington Ave.; A. F. Hansen, Archt., Shrine Bldg., Memphis.

Tenn., Memphis—Joseph Fly will erect \$50,000 residence and garage, McLean St. and Central Ave.; Indiana limestone, 2 stories and basement; Smith & Burnham, Archts., Goodwyn Inst. Bldg., Memphis.

Tenn., Nashville—Dewitt Carter, care Caldwell & Co., will erect \$15,000 residence; Franklin Rd.; Tisdale, Stone & Pinson, Archts., 418-19 Independent Life Bldg., Nashville.

Tex., Brownsville—Valley Dist. of Methodist Conference will erect parsonage. Address Rev. O. C. Crow, Pastor, Methodist Church, Brownsville.

Tex., Dallas—A. C. McNabb, 825 Cedar Hill St., will erect \$20,000 residence, 825 Cedar Hill Rd.; 9 rooms, brick veneer.

Tex., Dallas—C. M. McNatt will erect 2 six-room brick veneer cottages, 5515-23 Vanderbilt St.; total cost \$11,000.

Tex., Dallas—Dr. J. M. Potts, 4323 Gilbert St., will erect 1-story brick veneer residence, 4300 block Gilbert Ave.; David R. Williams, Archt., Southwestern Life Bldg., Dallas.

Tex., Del Rio—C. P. Scales will erect \$15,000 residence; 2 stories, hollow tile and brick; Morris & Noonan, Archts., Houston Bldg., San Antonio, Tex.

Tex., Del Rio—Bob Meyers will erect 600 residence; 2 stories, hollow tile and stucco; Morris & Noonan, Archts., Houston Bldg., San Antonio, Tex.

Tex., Fort Worth—Edwin Phillips, Waggoner Bldg., will erect \$30,000 residence; 2 stories, hollow tile and stucco; Atlee B. & Robt. M. Ayres, Archts., Bedell Bldg., San Antonio, Tex.

Tex., Kaufman—Jesse Carrell will erect 6-room residence, S. Washington St.

Tex., Kerrville—Mrs. John Leckie will erect \$25,000 natural stone country residence, Turtle Creek Rd. near Kerrville; Richard Vander Straten, Archt., Hicks Bldg., San Antonio, Tex.*

Tex., San Antonio—Ralph Tobin will erect \$25,000 ranch house on Blanco Rd.; tile, stucco and concrete; Atlee B. & Robt. M. Ayres, Bedell Bldg., San Antonio.

Va., Radford—G. M. Roberts will erect brick veneer residence, Randolph and Walker Sts.

Va., Roanoke—D. W. Persinger, Raleigh Court, will erect 4 frame dwellings, Maple Ave., S. W.; cost \$3500 each.

W. Va., Warwood—Casper Dorsch will erect \$40,000 residence in Warwood; 2 stories, 41x44 ft., brick; F. F. Faris, Archt., 1117 Chapline St., Wheeling.

Government and State

W. Va., Jacksons Mills (P. O. Weston)—Monroe County will erect country cottage at State 4-H Camp for Boys and Girls; Boone and Ohio Counties will also erect \$12,000 joint cottage. Address W. H. Kendricks, Director, Jacksons Mills, P. O. Weston.

Hospitals, Sanitariums, Etc.

D. C., Washington—United States Veterans Bureau, Frank T. Hines, Director, Arlington Bldg., has low bid at \$145,558 from Skinker & Garrett, 1416 F St. N. W., Washington, for nurses' quarters and storehouse at U. S. Veterans' Hospital No. 32, Mt. Alto, Washington; former, 3 stories, latter 2 stories; reinforced concrete and hollow tile, slate and built-up roofs, marble work, carpentry, steel sash, stucco work, plumbing, heating and electrical work.*

Fla., Miami—South Florida Hospital Assn., Fred C. Gamer and T. C. Johnson, members Finance Comm., has preliminary plans by H. Geo. Fink, Congress Bldg., Miami, for general hospital, children's annex, utility building and nurses' home, Douglas Rd., Coral Gables; all 2 stories; general hospital, 30 private rooms with bath; annex to have about 50 beds; dining room, kitchen, laundry and operating rooms in utility bldg.

Fla., Tampa—City, W. L. Lowry, Commr., 415 Citrus Ex. Bldg., selected M. Leo Elliott, Tampa, and Stevens & Lee, 9 Park St., Boston, Mass., to prepare plans for \$215,000 addition to Gordon Keller Hospital and \$35,000 addition or separate hospital for negroes; bonds voted.*

Ga., Newnan—Newnan Hospital Corp. plans to erect \$100,000 hospital; Robert & Co., Inc., Archts., Bona Allen Bldg., Atlanta, Ga.*

Ky., Bowling Green—City, H. S. Stone, Mayor, will probably call for bids on revised plans in about 1 week for general hospital, 8th and Park Sts.; cost \$125,000, 3 stories and basement, 60x175 ft., brick, L-shape; R. E. Turbeville, Archt., Bowling Green.*

Miss., Parchman—Board of Trustees of State Penitentiary, Parchman Penitentiary Farm, will erect \$12,500 hospital; will purchase cement, lime, plaster, finish lumber, sash, doors, roofing, plumbing equipment and heating plant; convict labor; N. W.

Overstreet, Archt., Overstreet Bldg., Jackson, Miss. (Lately noted under Miss., Sunflower.)*

Miss., Sanatorium—Grand Lodge, A. F. & A. M., E. L. Faucette, Grand Sec., Meridian, Miss., will erect tubercular unit; Bem Price, Archt., 1420 Age-Herald Bldg., Birmingham, Ala.; bids opened Aug. 26.

Okla., Hominy—City Clerk will receive bids Sept. 3 at office Smith & Senter, Archts., 401-05 Commerce Investment Bldg., Okmulgee, Okla., for city hospital; cost \$35,000.*

Okla., McAlester—Scottish Rite Masons, Frank Craig, A. U. Thomas and Dr. L. S. Wilbur interested, will purchase site and erect \$200,000 hospital; will also purchase and consolidate All Saints Hospital with new structure.*

Okla., Tahlequah—Cherokee Orphan Training School will start work in about 1 week on \$40,000 hospital; Chas. Thomas, Supt. of School, to have charge of work.

Tex., Austin—State Board of Control, S. B. Cowell, Chmn., will remodel buildings F and G at S. M. A. into hospital for insane; will also erect industrial building at Blind Institute; Page Bros., Archts., Austin National Bank Bldg.; bids opened Aug. 22.

Tex., Rusk—State Board of Control, S. B. Cowell, Chmn., Austin, Tex., will erect \$50,000 hospital building at East Texas Hospital for Insane; fireproof, brick, stone and reinforced concrete, 2 stories; S. W. Ray, Archt., Jacksonville, Tex.

Tex., San Antonio—Drs. J. H. Burleson, City National Bank Bldg.; T. J. Walthall and others purchased property, 728 Main Ave., and will erect new section in front and remodel rear of present building for eye, ear, nose and throat hospital; charter issued for Eye, Ear, Nose and Throat Hospital of San Antonio.

W. Va., Fairmont—Chamber of Commerce is interested in erection of hospital for Marion County.

Hotels and Apartments

Ala., Birmingham—J. Asa Roundtree, 3210 Cliff Road, is letting contracts to transform and build apartments at his old home and on property at 1800 Eleventh Ave. for 16 apartments; cost \$25,000.

Fla., DeLand—Mrs. Miller contemplates erection of 4-apartment building and 4-car garage on W. Howry Ave.

Fla., Hollywood—Hollywood Land & Water Co. has plans in progress by Robertson & Patterson, Calumet Bldg., Miami, for \$40,000 2-story, concrete block, Italian type, 70x95 ft., 40-room and baths dormitory building, to be used by hotel help.

Fla., Fort Pierce—J. R. Odom & Co., Macon, Ga., have purchased 17-acre tract and contemplate developing to include erection of hotel to contain about 75 rooms.

Fla., Miami—Mrs. J. H. Bechle will erect three 2-family apartment houses at N. W. Fifth St. and 11th Ave., to cost \$3500 each.

Fla., Miami—A. W. Miller will erect \$25,000, cement block, 77x36 ft., 8-suite apartment building at N. W. 12th Ave. and Third St.

Fla., Miami Beach—Dr. N. S. Cox and R. L. Mason, both of Richmond, Ind., have plans in progress by R. A. Preas, Miami, for erection of 2-story, reinforced concrete and hollow tile, stucco apartment building, Second St. and Meridian Ave.; \$20,000; 6 apartments each containing living room, dining room, bedroom, bath, kitchenette and dinet.

Fla., Petersburg—W. R. Kenoyer will erect \$15,000, 2-story frame and stucco apartment building.

Fla., St. Petersburg—Baynard & Thorn, 644 Central Ave., let contract to Erick T. Clason, St. Petersburg, for \$50,000, 3-story hotel on Central Ave., between 8th and 9th Sts.; store rooms on first floor and 40 rooms and lobby on second and third.

Ky., Louisville—Dr. Chas. C. Maupin, Starks Bldg.; Thos. J. Grice and J. Henry Heuser have purchased property at N. W. cor. Third and Oak Sts. for apartment building.

Md., Baltimore—Mrs. Virginia R. Lee has acquired 3-story and basement residence at 1202 N. Charles St., adjoining dwelling recently purchased, and contemplates remodeling for hotel purposes; plans include conversion of first floor of corner residence into dining room and installation of baths on upper floors.

Miss., Pass Christian—New Orleans and Mississippi syndicate headed by Capt. S. L. McGlathery, Pres. Bank of Pass Christian, has acquired Beach Terrace property and will erect \$500,000, 126-room, 175x55 ft., 5 stories with tower, fireproof resort hotel; exterior of brown-faced brick with stone trimmings; Walter Cook Keenan, Archt., L. & L. G. Bldg., New Orleans, La., prepared design and construction will start immediately.

Mo., St. Louis—Granite Mortgage Co. has purchased property with about 3000-ft. frontage, about 3500 ft. north, between Blair and Florissant Aves., and contemplates expending about \$600,000 in improvements, including single and double flats.

N. C., Goldsboro—W. L. Stoddard, Archt., 50 E. 41st St., New York City, opened bids for erection of \$600,000, 6-story, 80x130-ft. hotel building; will probably let contract to J. W. Stout, Sanford, N. C., or Wise Granite & Construction Co., Richmond, Va., the low bidders or call for new bids.*

N. C., Mount Airy—Judge D. W. Bolen of Virginia has purchased Mitchell's Hotel site at top of Fancy Gap from T. H. Brown, Mount Airy, and contemplates rebuilding.

Tenn., Chattanooga—C. E. Bearden, Archt., First National Bank Bldg., is preparing plans for erection of co-operative ownership apartment building on Lookout Mountain; 10 to 20 apartments, fireproof, 2 stories.

Tenn., Dyersburg—Mack Scott has plans in progress by Mahan & Broadwell, Memphis, for \$50,000, 2-story and basement apartment building.

Tenn., Knoxville—E. A. Gredig, Archt., Mercantile Bldg., is preparing plans for alterations and additions to Windsor Hotel; plans include third story, 30-room addition and new wiring, plumbing and heating.

Tenn., Neibert—Neibert White Sulphur Springs, Inc., D. H. Jenkins, Pres., Knoxville, contemplates erection of Spanish type tourist hotel. (See Buildings Proposed—Miscellaneous.)

Tex., Georgetown—O. W. Sherrill, Pres. Guaranty State Bank, and associates contemplate erection of 3-story fireproof hotel to cost about \$35,000 to \$40,000.

Va., Danville—Plans are in progress for erection of annex to Leeland Hotel to include showrooms, bedrooms and garage. Address The Proprietor.

Va., Salem—Johnston, Day & Terry have purchased Hotel Salem and contemplate converting first floor into offices and improve and modernize upper floors for hotel.

W. Va., Elm Grove (Br. of Wheeling)—Jno.

T. Carter, cashier of State Bank & Trust Co. of Elm Grove, has purchased Maples Hotel, Stone Church St. and National Road, and contemplates enlarging and remodeling.

W. Va., Wheeling—W. D. Fulmer, Mgr. of Rogers Hotel, is reported to contemplate erection of addition to contain 196 guest rooms and stores facing Market and Fourteenth Sts.

Miscellaneous

Fla., DeLand—Fair Buildings—Volusia County Fair Assn. has plans by W. J. Carpenter, for erection of grandstand; Steel, concrete and wood construction; contemplate erection of buildings for educational exhibits, auditorium and kennel show.

Fla., Miami—Clubhouse—Shutz & Weaver, Archts., prepared plans for erection of golf and country club building in country club section of Coral Gables; construction at once.

Fla., Perry—Clubhouse—Woman's Club, Mrs. W. T. Hendrix, Pres., will erect bungalow style, colored stucco clubhouse to contain auditorium to seat 400 and stage 20x36 ft.; imitation tile roof.

Fla., Southport—Clubhouse—North Carolina Fishing Club, care Col. S. A. Jones, Tampa, Fla., contemplates erection of \$25,000 clubhouse.

Fla., Tampa—Clubhouse—Jackson Heights Civic Club will soon select site for proposed clubhouse.

La., New Orleans—Exhibition Building—C. L. Wallace, 357 Walnut St., president of corporation underwriting project, announced plans for establishment of permanent International Trade Exhibition; have leased Army Base Unit No. 2 and will expend \$100,000 for alterations.

Md., Baltimore—Home—Augsburg Home for Orphans and the Aged, Henry R. Thomas 1226 N. Broadway, Chmn. of Building Comm. has plans and called for bids for erection of suburban center for Home, on 41-acre site on Campfield Road, between Essex and Liberty Heights Aves.; cost about \$300,000 and accommodate about 200 persons; building will form "E" having total length of 252 ft. with 3 wings each about 113 ft. long; 2½ stories in front with 3 stories in rear; Colonial design, brick construction; Herman Eisert, Const. Engr., 11 E. Lexington St.; Frederick Thomas, Asso. Archt., 726 E. 33rd St.; both Baltimore.

Md., Baltimore—Business Building—Hammond Estate will erect 2-story, \$15,000, frame, 53x100-ft. building, N. E. Cor. Belvedere and Park Heights Aves.; Carey roof; owner is Archt. and Builder.

Md., Clinton—Community Building—W. G. Dent, Pres. of Gardiner & Dent, Inc., has plans in progress by Phillip M. Julian, Commercial Nat'l Bank Bldg., Washington, D. C., for erection of 1-story and basement, 60x40 ft. building to cost between \$10,000 and \$12,000 and contain motion picture theater, dance hall, pool tables, bowling alleys and clubrooms; composition roof, cement foundation, concrete and wood floors, hollow tile, metal ceilings, plaster board; major items to be purchased include seats, screens, motion picture machine, pool tables, etc.*

Md., Hagerstown—Clubhouse—Fountain Head Country Club will soon be incorporated and site has been purchased by Emmett W. Gans for erection of \$25,000 clubhouse and 18-hole golf course; executive committee comprises Willis Allenderfer, W. F. Prior, Maj. W. Preston Lane and others.

Miss., Brookhaven—Clubhouse—Roy Boardwee has purchased Kramer property and contemplates erection of clubhouse.

Mo., Poplar Bluff—Arcade—Judson Price will rebuild business house on Broadway into fireproof arcade building to be occupied by

city market, machine shop and offices of Carbur-Aid Co., with apartment on upper floor.

N. C., Charlotte—Grandstands—Charlotte Speedway, Inc., Osmond L. Barringer, Gen. Mgr., 28 W. Trade St., opened bids for erection of 2 grandstands in Speedway grounds near Pineville.

N. C., Hendersonville—Home—Salvation Army, Capt. A. C. Storey, field finance representative, Divn. Hdqrs., 14½ Charlotte St., Charlotte, announced plans for erection of home for indigent mothers and children, to cost about \$100,000, on 40-acre tract on Jump Off Mountain donated by W. D. McAdoo of Hendersonville; will consist of main building for dormitory and administrative purposes, 5 cottages, mess hall, etc.

Tenn., Elkmont—Improvements at Club—Appalachian Club contemplates expending \$10,000 for new water plant and new lighting and refrigerating systems.

Tenn., Nashville—Clubhouse—Centennial Club, Mrs. R. H. Lacey, Pres., 110 21st Ave. S., is taking bids for erection of superstructure work in addition to club building; addition consists of basement, 1 room and kitchen; C. A. Ferguson, Archt., 63 Arcade, Nashville.

Tenn., Neubert—Neubert White Sulphur Springs, Inc., D. H. Jenkins, Pres., Knoxville, plans development and improvement of Neubert Springs property, including erection of Spanish type tourist hotel, swimming pool, lake for boating and fishing, tennis courts, clubhouse and golf links; R. F. Graf & Sons, Knoxville, Archts. for hotel.

Tex., Fort Worth—Clubhouse—Fort Worth Club, Amos G. Carter, Pres., has plans in progress by Sanguinet, Staats & Hedrick, First National Bank Bldg., Fort Worth, for erection of 200x95 ft., 12-story, \$1,250,000, steel reinforced construction building; Vilbig Bros., Fort Worth, have contract for basement excavating.

Tex., Gonzales—Fair Buildings—Gonzales County Fair Assn. contemplates erecting exhibit hall and administrative building.

Va., Bristol—Clubhouse—Country Club, S. E. Messingill, Pres., contemplates improvements to include concrete tennis courts, swimming pool and artistic front entrance to grounds.

W. Va., Bluefield—Crockett Bailey contemplates erection of building on Bland St.

Railway Stations, Sheds, Etc.

Ga., Atlanta—Atlanta Terminal Co. contemplates extensive repairs to Atlanta Terminal Station, to include additional train sheds and inclosing stairways in glass.

La., New Orleans—Paul H. Maloney, Commissioner of Public Utilities, announced plans for erection of building to replace Louisiana Southern station at St. Claude and Elysian Fields Aves.

Tex., Brownsville—Gulf Coast Railway, C. S. Kirkpatrick, Ch. Engr., 905 Texas St., Houston, contemplates immediate construction of passenger station.

Schools

Ala., Mobile—Old Landmark Assn., Moderator J. F. Keeby, Plateau, contemplates erection of building to house Bible School of Negro Baptist Assn.

Ala., Montgomery—County Board of Education contemplates erection of school building at Capitol Heights.

Ala., Red Bay—D. Harry Jamieson, Archt., Paducah, Ky., advises that they have no contract for plans for school building as recently reported.*

Fla., Daytona—Board of Public Instruction of Volusia County, Geo. W. Marks, Supt., DeLand, will open bids Sept. 4 for erection of gymnasium building.

Fla., Miami—Mrs. Maude Aiken, St. Petersburg, will begin immediately construction of \$200,000 building for Aiken Open Air School; 2 stories, Spanish design, in shape of letter "H," 90x130 ft.; first floor will contain living room, kitchen, principal's suite of bedrooms, bath and study and 6 classrooms; second floor will contain 26 rooms with connecting baths.

Fla., Miami—Dade County Board of Public Instruction will open bids Sept. 2 for erection of second unit of Coral Gables school to cost \$40,000; cement block and stucco, tile roof, cement floors, composition blackboard, ventilators; Kiehnell & Elliott, Archts., Central Arcade Bldg., Miami.*

Fla., Miami—Dade County Board of Public Instruction, Chas. M. Fisher, Supt., opened bids for remodeling certain rooms in Lemon City school after plans by Pfeiffer & O'Reilly, Miami, and for alterations and additions to Miami Beach school, after plans by Kiehnell & Elliott, 224 Central Arcade Bldg., Miami.

Fla., St. Petersburg—Miss Dora M. Boyd has purchased property at Fourth Ave. and Seventh St., South, and contemplates erecting commercial school.

Ga., Atlanta—Board of Education contemplates erection of 100x60 ft. armory at Henry W. Brady high school; members of committee are: Mrs. Z. V. Peterson, 407 S. Moulton St., D. M. Therrell, 114 Park St., and A. C. Meixell.

Ga., Atlanta—Emory University, Dr. H. W. Cox, Pres., contemplates erection of \$400,000 building to be first unit of library building; 3 stories and mezzanine, fireproof with marble finish; Edward L. Tilton, Archt., 141 E. 45th St., New York City; Ivey & Crook, Asso. Archts., Candler Bldg., Atlanta. (Lauren Foreman, 315 Southern Railway Bldg., incorrectly reported as Chmn. of Executive Comm. of Board of Trustees.)*

Ga., Rocky Ford—Board of Trustees, Dr. H. W. Doster, Chmn., is receiving bids for erection of 1-story school building to contain 8 rooms and auditorium; brick and tile, composition roof; plans and specifications may be obtained from Scroggs & Ewing, Archts., Augusta, Ga.; recently voted \$25,000 bonds.*

Ga., Sharon—Board of Trustees Sharon Independent School District sold \$10,000 bonds and will soon let contract for erecting school building.

Ky., Barbourville—Union College contemplates erection of girls' dormitory.

Ky., Bowling Green—Western Kentucky State Normal School & College, Board of Regents, Sterrett Cuthbertson, Vice-Chmn., will open bids Sept. 27, for general contract and mechanical work on training school building; plans, specifications and bid blanks may be secured from the architects, A. Ten Eyck Brown, 717-20 Forsythe Bldg., Atlanta, Ga., and Nevin, Wischmeyer & Morgan, 1317 Stark Bldg., Louisville, Ky.

Ky., Corbin—Whitley County Board of Education, Williamsburg, contemplates erection of \$12,000 gymnasium building for high school; Wm. Siler, Archt., Corbin.

Ky., Smith Mills—H. E. Boyle & Co., Archts., Evansville, Ind., are preparing plans for erection of \$20,000 school building.

Md., Cumberland—Allegheny County Board of Education, Ferman G. Pugh, Pres., 105 S. Centre St., will open bids September 9 for alterations and 2-story brick addition to Pennsylvania Avenue Public School; Wright Butler, Archt., 105 S. Centre St., Cumberland.*

Md., Baltimore—School Board and Public Improvement Commission will meet in Sept. to consider question of eliminating proposed Western High School building from construction program and substituting 3 or 4 new elementary schools.*

Md., Denton—Caroline County Board of Education contemplates erection of \$100,000 school building on Fifth Ave.

Miss., Cleveland—Delta State Teachers' College has been awarded to this city; will erect several buildings.

Miss., Fulton—Mantachie Consolidated School District voted \$10,000 bonds for erecting brick school building; address Itawamba County Board of Education.

N. C., Charlotte—City Board of School Commrs. were presented plans for new grammar schools in Seversville and Wilmore by Louis H. Asbury, Realty Bldg., and for Myers Street negro school by Martin Boyer; both Charlotte.

N. C., Chadbourne—Columbus County Board of Education, Mr. Thompson, Chmn., Whiteville, has plans and specification by W. D. Harper, Florence, S. C., and will open bids Sept. 15 for erection of 2-story, hollow tile or hollow brick faced with brick school building; contain 4 classrooms, library, study room, auditorium, agricultural laboratory, food and clothing laboratories; steam heat; stairways at each end to be enclosed in brick towers; recently voted \$25,000 bonds; plans and specifications may be seen at office County Supt., Whiteville; Charlotte Builders Exchange and Columbia Builders Exchange or had from Archt.*

N. C., Morganton—Burke County Board of Public Instruction, R. L. Patton, Supt., has sold \$25,000 bonds for erection of school building.

N. C., Mount Airy—City voted \$33,500 school bonds; address Board of Education.*

N. C., Raleigh—State Board of Control plans to install new heating plant at colored department of school for deaf, to cost \$25,000.

N. C., Walkertown—Board of Education will have plans this week by Northup & O'Brien, Winston-Salem, and will let contract about Sept. 15 for erection of \$75,000, brick and steel, 17-classroom, 2 domestic science laboratories and auditorium school building.

N. C., Winston-Salem—School Board, H. B. Dwire, Chmn., accepted plans for erection of Woughtown grade school and Kimberly Park school; will let contract first of Sept.; Woughtown school will be on Woughtown Road, between Peachtree and Charles Sts., and contain 12 classrooms, auditorium, domestic science and manual training departments; Kimberly Park School will be on Woodrow Place, between Kimberly Park and Boston Cottage and be similar to Woughtown school contemplate erection of gymnasium at Hanes Park.*

Okla., Dilworth—Plainview School District No. 5, near Dilworth, opened bids for erection of 1-room school building; Robin A. Walker & Bro., Archts., Eldorado, Kan.; address W. R. Clift, County Supt., Newkirk.

S. C., Hobbysville (R. Sta. Enoree)—Spartanburg County Board of Education, J. B. Lancaster, Supt., Spartanburg, discussed advisability of erecting school building.

Tenn., Athens—Board of Education let contract to W. O. Duggan, Athens, for 1-story and basement, concrete, brick and steel, 60x90-ft. auditorium; oak floors, asphalt built-up roof; Hill Bros., Harriman, plumbing and heating; Manley, Young & Meyer, Archts., 302 W. Church Ave., Knoxville.

Tenn., Bristol—C. B. Kearfoot, Archt., is taking bids for alterations and remodeling work on Virginia High School building to cost \$75,000; work includes brick and steel walls, asphalt roof, steam heating plant, stage and stage equipment, etc.

Tenn., Dyersburg—F. H. Harris, Chmn. of Board, has plans in progress for erection of \$10,000 high school building at Nauvoo; private plans.

Tenn., LaFollette—R. F. Graff & Son, Archts., Arnstein Bldg., Knoxville, are taking bids for erection of addition to high school building to consist of auditorium, classrooms and heating and plumbing systems; address School Board.

Tenn., Madisonville—Hiwassee College has plans in progress by Manley, Young & Meyer, 302 W. Church Ave., Knoxville, for 60x90-ft., brick and steel, 1-story gymnasium; maple floors, concrete foundation, asphalt shingle roof.

Tenn., Maryville—Blount County Board of Education has plans in progress by Manley, Young & Meyer, 302 W. Church Ave., Knoxville, for \$25,000, 6-room and gymnasium addition to present building.

Tenn., Nashville—Davidson County Board of Education rejected all bids for erection of Manual Training building for Central High School; Chas. A. Ferguson, Archt., 63 Arcade, Nashville.*

Tenn., Ripley—School Board contemplates extensive improvements to High School building.

Tex., Alice—Judge W. R. Perkins is chmn. of committee for proposed \$75,000 bond election for erecting new building and remodeling present high school building.

Tex., Austin—Board of Regents of University of Texas has plans in progress by the Consulting Archt., Prof. White of University of Illinois, Urbana, Ill., for erection of chemistry building to be erected in units; authorized same Archt. to prepare plans for expansion of present library building; plans complete by Herbert M. Greene, University Archt. for \$250,000 Alice P. Littlefield Memoria Dormitory.*

Tex., Beaumont—City voted \$50,000 school bonds. Address Board of Education.

Tex., Corpus Christi—Corpus Christi Independent School District voted \$125,000 bonds; plans include remodeling of Furman Ave. school and repairing David Hirsch school, rebuilding Mexican school, etc.; Jno. M. Marriott, Archt., Frost Bldg., San Antonio.*

Tex., Austin—Austin Independent School District, Dr. Geo. N. Decherd, Pres., will open bids September 15 for erection of 3-story and basement, fireproof unit addition to John T. Allen High School building; concrete, brick facing, pine floors, concrete stairways ground floor area 17,500 sq. ft.; separate bids on general contract, mechanical contract, plumbing and wiring; Glesecke & Harris, Archts., Littlefield Bldg., Austin.

Tex., Canyon—West Texas State Teachers' College contemplates construction of \$18,000, steel and hollow tile, 104x90 ft. gymnasium building.

Tex., McAllen—Baptist Church Building Committee, Dr. J. M. Carrol, Chmn., 209 Straford Court, San Antonio, selected Harvey P. Smith, National Bank Commerce Bldg., San Antonio, to prepare plans for \$300,000 Baptist College; will consist of 2 dormitories and administration building; brick, stone and concrete.*

Tex., Columbus—Columbus Independent School District, Chas. Ramsay, Sec., has preliminary plans in progress by Glesecke & Harris, Austin, for erection of 1-story brick high school building and for repairs and additions

to present 2 school buildings; contemplate voting \$75,000 bond issue.

Tex., Frisco—Frisco Independent School District voted \$22,000 bonds for erecting school building; address Pres., Board of Trustees.*

Tex., Rockwall—Rockwall School District voted \$50,000 bonds; selected Lindsey & Kilmer, Greenville, to prepare plans for high school building to contain 8 classrooms, laboratories, lecture rooms, athletic rooms and auditorium.*

Tex., Sour Lake—Sour Lake Independent School District voted \$50,000 bonds for erection of high school gymnasium; address Board of Trustees.*

Tex., Trinity—School Board, J. A. Ramsay, Pres., has preliminary plans and sketches in progress by Glesecke & Harris, Austin, for erection of school building; \$50,000 bonds recently voted.

Tex., Waco—Board of Trustees of Public Free Schools, B. B. Cobb, Sec., will open bids Sept. 1 for erecting gymnasium on high school grounds and 1-story building at 22nd St. and Ross Ave.; separate bids on plumbing and heating; plans and specifications may be obtained from Milton W. Scott & Co., Archts., 412½ Franklin Ave., Waco.*

W. Va., Clarksburg—Board of Education of Clark District, J. K. Musser, Sec., opens bids this week for laying floors, plastering and trimming two basement rooms in Union Heights school building.

W. Va., Morgantown—Morgantown Independent School District will have plans about Oct. 1, by E. B. Lee, Pittsburgh, Pa., for \$60,000 high school plant.*

W. Va., Plus—Board of Education of Malden District, C. W. Farrell, Sec., opened bids for erecting two additional rooms to Belle Consolidated school building, 1 room to Live colored building and 1 room to Midway school building; Herbert S. Kyler, Union Trust Bldg., Charleston, W. Va.

Stores

Ark., Altheimer—L. Cohn will open bids Sept. 1 for erection of \$10,000, 1-story, brick, 25x125 ft. store building; concrete floors and foundation, composition built-up roof, hollow tile, metal ceilings, steel sash and trim, wire glass, ventilators.*

Ark., Fort Smith—Fred Browne contemplates erection of 2 business buildings on Garrison Ave. to cost \$25,000 and \$15,000.

Fla., Bradentown—B. B. Cain has purchased 25x80 ft. building on Main St. adjoining present building, will remove building and erect 1-story brick building.

Fla., DeLand—Conrad Co. purchased property at Boulevard and Howry Ave. and is reported to contemplate erection of business building.

Fla., Miami Beach—H. K. Bliss will enlarge and remodel store building at Ocean Drive and Biscayne Ave.

Fla., Miami—Mr. Morris of Morris Music Shop has purchased lot on Coral Way at Coral Gables and contemplates erecting \$25,000 store and apartment building.

Fla., St. Petersburg—Baynard & Thorn, 644 Central Ave., will erect 2-story, tile and steel stores and office building on Central Ave.

Ga., Atlanta—M. L. Thrower, Peachtree Road, will erect \$15,000, 1-story, concrete store building.

Ky., Jenkins—Jno. H. Bentley will erect store building; contract within 10 days.

Ky., Master—Jno. H. Adington will erect store building; contract at once.

La., Shreveport—Abe Meyer, Hamilton Terrace, opened bids this week for erection of \$45,000, brick and stucco, English type, 60x125-ft., 2-story, stores and shops building; asphalt roof, wood and concrete floors, concrete foundation, metal ceilings, interior tile, plaster board, ventilators, steel sash and trim; Flint & Broad, Archts., Andrews Bldg., Dallas, Tex.; address Henry E. Schwarz, Asso. Archt., Ardis Bldg., Shreveport, La.*

Mo., Kansas City—Morris Frank has purchased n. e. cor. 14th St. and Michigan Ave., 72x152 ft., the shorter frontage on Fourteenth, and contemplates erection of building to contain 6 stores on ground floor and apartments above; work to start in 6 months.

Mo., Springfield—George McCon will remodel brick business building at 327 St. Louis at cost of \$13,000.

N. C., Asheville—Ruffner Campbell, Legal Bldg., and W. D. Tracey, 40 Highland St., will erect \$10,000 store building at Chestnut and East Sts.

N. C., High Point—Al Moffitt of Moffitt Furnishing Co., 117 N. Main St., has leased building at English and Main Sts., and contemplates extensive improvements.

S. C., Florence—P. J. Maxwell contemplates remodeling former Times Building into department store.

Tenn., Martin—Stafford Milling Co. will erect business building.

Tenn., Memphis—Julius Goodman has plans in progress by E. L. Harrison, U. & P. Bank Bldg., Memphis, for business building on Union Ave.

Tenn., Memphis—Edw. C. Moon, 676 S. Belvedere Blvd., has plans for erection of \$10,000, 1-story, brick store building on Union Ave.

Tenn., Memphis—Mrs. H. H. Lee, Lamar Ave., contemplates erection of \$30,000 store and apartment building on Cooper Ave.; private plans.

Tenn., Nashville—Geny Floral Co., 1804 West End Ave., has plans by Donald Southgate, Cumberland Presbyterian Bldg., Nashville, and opened bids for new building.

Tenn., Nashville—Thos. W. Smith contemplates remodeling P. H. Welsh Grocery Co. building at 913 Church St.; Donald Southgate, Archt., Nashville, will soon take bids.

Tenn., Sweetwater—R. C. Tennyson has plans and specifications by Manley, Young & Meyer, Knoxville, and will start work at once on brick, steel and concrete building to contain 3 stores on ground floor.

Tex., Beaumont—F. W. Steinman & Son, Archts., 516 Kyle Bldg., Beaumont, announced plans in progress for remodeling Long's store on Pearl St. at cost of \$10,000; install elevator and new machinery and strengthen building.

Tex., Corpus Christi—G. C. Stark will erect store and filling station at end of Staples St.

Tex., Goliad—W. E. Neyland & Sons contemplates erection of 42x80 ft. building with plate glass and stucco front.

Tex., Port Arthur—Jno. R. Adams opens bids this week for erection of store and office building; H. C. Mauer, Archt., 950 Spruce St., Beaumont.

Tex., Raymondville—C. R. Johnson will erect \$20,000 building; brick and concrete, 25x70 ft.; lower floor to have 6 stores.

Tex., San Antonio—Thos. Goggan & Bros., Woolworth Bldg., has permit for erection of fireproof stores on west side Broadway to cost \$70,000.

Tex., Weslaco—J. C. Metzner has plans in progress for 2-story, \$18,000, brick and concrete store building.

Tex., Weslaco—Roscoe Smith will erect \$25,000, 50x100 ft., 2-story, brick and concrete building.

Va., Norfolk—G. Engel announced plans for immediate erection of store and office building on site of G. Engel & Bro. Hardware

Co.'s building, Main and Roanoke Ave., recently destroyed by fire.*

W. Va., Charleston — Norvell-Chambers Shoe Co., 1014 Third Ave., Huntington, has leased storeroom on State St. and contemplates installing front and remodeling.

Theatres

Fla., Fort Lauderdale—English & Alsbrook will have plans in 10 days for erection of New Queen Theater.

N. C., Charlotte—C. C. Jones and associates have plans and expect work to start in 30 days on \$150,000, 2-story, gray stone front, 150x150-ft. negro theater building to seat 1500 persons; auditorium 75x150, with main floor and balcony; stage 24x60 ft., with 60-ft. fly; arcade entrance to auditorium of tile and marble; second floor for offices.

N. C., Jefferson—B. D. Barr and J. R. Carr are reported to contemplate erection of theater building.

S. C., Greenville — Southern Enterprises, Inc., of Atlanta, Ga., have plans in progress by Beacham & LaGrande, North St., Greenville, for \$175,000 theater building to seat about 1000 persons.

W. Va., Huntington—H. K. Pancake announced plans for remodeling Motor Sales Co.'s building at 1032 Fourth Ave., into theater building.

Warehouses

Ark., Camden—Ritchie Grocery Co. con-

templates erection of warehouse to replace structure recently destroyed by fire; also plans to erect building for main store.

Ark., Fayetteville—Dyke Lumber Co. will erect \$10,000 salesroom and storeroom for lumber and building materials at Dickson and St. Charles Sts.

Fla., West Palm Beach—Palm Beach Mercantile Co. has purchased lots at 23d Ave. and Tamarind St., and will erect buildings for warehouse purposes.

Ga., Macon—J. H. DuBose contemplates extensive improvements at Poplar and Seventh Sts., to include erection of several warehouses and office building to be used as junk yard.

Ga., Vidalia—Tobacco Warehouse Co. has purchased property adjoining present building and contemplates erecting additional warehouse.

Okla., Oklahoma City—A. Dunn, 508 E. 12th St., will erect \$10,000 brick warehouse at 626 W. Second St.

Tenn., Knoxville—A. G. Heins & Co., 505 East Jackson St., has plans by Manley, Young & Meyer, 302 W. Church Ave., Knoxville, for 3-story, 50x100-ft. brick and reinforced concrete warehouse on Asylum Ave.; concrete foundation, Carey-Feltex built-up roof.

Tenn., Nashville—Tennessee Biscuit Co., 19th Ave., N., will erect \$17,000, 2-story, brick and concrete addition to warehouse at Nineteenth and R. R.

W. Va., Wheeling—Central Union Trust Co., J. F. Ebeling, Cashr., let general contract to R. R. Kitchen Co., 1300 Eoff St., for 10-story and basement fireproof bank and office building, 14th and Market Sts.; high-speed elevators; 180 offices; cost about \$500,000; plumbing to Steam Electric Engineering Co., 1420 Market St.; structural iron work, J. E. Moss Iron Works, 4 28th St., electrical work, Felsing Electric Co., 25 Tenth St.; hardware, Henry Kalbitzer & Son, all Wheeling; heating, W. J. Scholl Co., Youngstown, O.; C. W. Bates, Archt., 77 Twelfth St., Wheeling.*

Churches

Ark., El Dorado — First Presbyterian Church, J. K. Mahoney, J. A. Rowland and others, Bldg. Comm., will erect \$100,000 building by day labor; W. B. Boone, Archt., El Dorado.*

Ga., Davisboro—Baptist Church will erect church and 3-story brick Sunday-school building; cost about \$20,000; all building material to be furnished by Bldg. Comm. and prices on various materials except brick may be made to W. B. Warthen, Davisboro, Ga.; J. W. McMillan and Mr. Coxwell, Contrs., Milledgeville, Ga.

La., Lafayette—Methodist Episcopal Church South let contract at \$74,600 to Knapp & East, Lake Charles, La., for 1-story building; face brick, case cement stone trim, tile roof, wood floors, reinforced concrete foundation; plans by Dr. J. A. Baylor, Archt., 1355 First St.; Board of Extension of M. E. Church South, Louisville, Ky.; all materials purchased.*

Md., Gaithersburg — E. D. Maxwell, 817 Fourteenth St., N. W., Washington, D. C., contractor for Epworth M. E. Church addition, advises project is held up for time being; Grigg & Lisenring, Archts., 817 Fourteenth St. N. W., Washington.*

Miss., Laurel—First Presbyterian Church, Rev. Grayson L. Tucker, Pastor, let contract for \$169,000 Class A fireproof building to Underwood Contracting Corp., New Orleans, La.; Gothic type, concrete and brick, stone facing, concrete and wood floors, concrete foundation, tile roof, hollow tile, rolling partitions, steel sash and trim, wire glass; heating, lighting, plumbing and elevator not let, equipment, furnishings, etc., to cost \$75,000; Rathbone DeBuys, Archt., Hibernia Bank Bldg., both New Orleans, La. Address Underwood Contracting Corp.*

Mo., St. Louis—Southampton Presbyterian Church will add 1 story to building, 5353 Nottingham St.; cost \$20,000, brick, 66x52 ft., tar and gravel roof; A. B. Groves, Archt., Stock Exchange Bldg.; H. O. Hirsch & Co., Contrs., Wainwright Bldg., both St. Louis.

Mo., Sutton—Methodist Episcopal Church South is erecting \$25,000 building, Main St., by day labor, Will Davis, Supt., Sutton; basement completed; stone, brick, tile, steel, concrete and wood construction, oak floors, asbestos shingle roof; heating, lighting and plumbing not determined; equipment, furnishings, etc., not yet passed upon; Levi J. Dean, Archt., 907 Fifth Ave., Huntington, W. Va.

Mo., West Plains—Christian Church, A. J. Ferguson, Chmn. Bldg. Comm., let contract to Fred Fisher, West Plains, for \$20,000 building; pressed brick and Carthage stone, 75x55 ft.; plans by Contr.*

N. C., Charlotte—Church of Christ, Disciples, A. A. Knee, Chmn. Bldg. Comm., 511 Kingston Ave., let contract for \$35,000 Sunday-school building, Dilworth Rd., to Frank Harlan, 328 Tryon St., Charlotte; red brick white stone trim, 2 stories and basement 50x70 ft., pine, oak and concrete floors, metal ceilings, ventilators, rolling partitions, wire glass, Johns-Manville built-up roof; heating,

BUILDING CONTRACTS AWARDED

Bank and Office

Ala., Florence—Malone-Bowden Tile & Marble Co., Memphis, Tenn., has contract for fixtures for bank and office building for Alabama Trust & Savings Bank, J. R. McGarry, Cashr.; vault to York Safe & Lock Co., York, Pa.; Alsop & Callahan, Archts., Rand Bldg., Memphis; Paul Norquist, Florence, general contractor, at about \$40,000.*

Ark., Clarendon—Bank of Clarendon let contract to St. Louis Bank Equipment Co., 811 Walnut St., St. Louis, Mo., for building.

Fla., LaBelle—Bank of LaBelle, D. G. McCormick, Pres., let contract for \$15,000 Spanish type bank building to H. Johnson, Fort Myers, Fla.; 2 stories, brick.*

Fla., Melbourne—H. R. Earle, Detroit, Mich., and Melbourne, will erect \$20,000 office building for Indiatlantic Co.; 1 story, 59x87 ft., tile, cement and wood floors, concrete foundation, vaults, 4-ply built-up roof; Lee L. Wade, Archt., Professional Bldg., Miami, Fla.; owner builds.*

Fla., Sarasota—J. H. Lord let contract to G. A. Miller, Tampa, Fla. (previously noted let to Geo. A. Fuller Co., Fuller Bldg., New York City and Miami, Fla.), for \$300,000 bank and office building, Main St. and Central Ave.; 8 stories, 40x100 ft., 1 story, 70x200 ft., steel, stone and face brick construction, terrazzo and cement floor, concrete foundation, hollow and interior tile, metal doors, vaults, ventilators, ornamental terra cotta, steel sash and trim, wire glass, built-up roof, elevators; M. Leo Elliott, Archt., Tampa, Fla.*

Fla., St. Augustine—Nissen & Anderson, 850 Florida Ave., Jacksonville, Fla., has contract for vaults, furniture and fixtures for addition to St. Augustine National Bank building; F. A. Henderlich, Archt., Jefferson Bldg.; Chas. Hadcock, Gen. Contr., 93 South St., both St. Augustine.*

Ky., Hardinsburg—Farmers Bank & Trust Co. will remodel and redecorate building; install 18-in. vault; Art Metal Construction Co., Contr., Jamestown, N. Y.

S. C., Fort Mill—First National Bank, T. B. Spratt, Pres., let contract to Palmer-Spivey Construction Co., 404 S. Tyron St., Charlotte, N. C., for \$30,000 two-story building, Main St.; pressed brick, limestone trim; A. D. Gilchrist, Archt.; electric work, Pryor Electric Co.; plumbing, Walton Co., all Rock Hill.

S. C., Greenville—Chamber of Commerce, John A. Russell, Chmn. Bldg. Comm., let contract at \$257,418 to Minter Homes Co., E. North St., for 10-story brick, stone and steel office building, Main St.; 2 elevators; auditorium to seat 500 on top floor; Beacham & LeGrand, Archts., North St.; J. E. Sirrine & Co., Asso. Archts.-Engrs., 309 S. Main St., all Greenville.*

Tenn., Dayton—Dayton Bank & Trust Co. will erect brick and wood joist bank and office building 2 stories, 50x80 ft., oak floors, concrete foundation, asphalt roof; Manley, Young & Meyer, Archts., 302 W. Church Ave., Knoxville, Tenn.; Varner & Elliott, Soddy, Tenn., Contr., at \$20,000; heating to G. D. Barnes, Dayton, at \$2000.

Tenn., Knoxville—Fidelity Trust Co. will erect marble front and remodel interior of bank building, Gay St.; Manley, Young & Meyer, Archts., 302 W. Church Ave.; J. M. Dunn & Sons, Contrs., Broadway and Depot Sts., both Knoxville.*

Tex., Georgetown—Guaranty State Bank will erect additions to buildings; second floor to be used as annex to 3-story hotel the bank plans to erect.

Tex., San Antonio—Smith Brothers Development Co. let contract to Ed Oeffinger, 234 College St., for 8-story brick and reinforced concrete office building on Bowers Island; Atlee B. & Robt. M. Ayres, Archts., 626-27 Bedell Bldg., San Antonio, advise project not developed farther than preliminary sketch stage.*

Va., Roanoke—National Exchange Bank, E. B. Spencer, Pres., let contract to D. J. Phipps, Roanoke, for 50-ft. addition and improvements to present building; work to begin in about 30 days; cost \$251,000.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

lighting and plumbing not let; auditorium to Honeywell, Archt., Indianapolis, Ind. Address Contr.*

Okl., Enid—University Christian Church, Prof. Harry D. Smith, Chmn., Bldg. Comm., let contract at \$45,000 to D. C. Bass & Son, Enid, for reinforced concrete and brick building; 3 stories, 81x40 ft., edge grain pine floors, concrete foundation, copper tile roof; R. W. Shaw, Archt., Masonic Temple, all Enid; contracts for plumbing and wiring lately noted let; footings poured.*

S. C., Greenwood—Associate Reformed Presbyterian Church let contract for \$30,000 building, Calhoun Ave. and Lander St., to Blair & Reager, Heath Springs, S. C.; 1 story and basement, 33x90 ft., hollow tile and face brick, concrete floors and foundation, slate roof, rolling partitions, concrete stone, 1-pipe steam heat; Jas. C. Hemphill, Archt., Greenwood.*

Tenn., Memphis—First Christian Church, Rev. Jessie A. Mason, Pastor, is having plans prepared by Anker F. Hansen, Shrine Bldg., Memphis, Tenn., for brick building to seat 250 to 300; Sunday school rooms.*

Tex., Alto—Baptist Church has completed foundation of \$15,000 building; Ed Foss, Contr., Alto.*

Tex., Lubbock—Broadway Church of Christ, Rev. T. M. Carney, Pastor, will erect \$30,000 addition to building; Mr. Harris, Contr., Plainview, Tex.

City and County

Ala., Clayton—Courthouse—Barbour County has started work on courthouse annex. Address County Commrs.

Ala., Livingston—Courthouse Repairs—Sumter County Commrs. let contract to O. M. Golden, York, Ala., for repairing courthouse; cost \$13,000; P. J. Krouse, Constr. Supervisor, Meridian, Miss.

La., Baton Rouge—Central Fire Station—City, W. P. Burden, Sec. Commission Council, let contract for heating and plumbing for central fire station to Rambach & Brasher, Baton Rouge; electric work, Union Electric Co., New Orleans, La.; building, 2 stories and tower, brick, concrete and steel construction, cement and wood floors, concrete foundation, Barrett 20-year roof, steel sash and trim, metal doors; Wm. T. Nolan, Archt., New Redmond Bldg., Baton Rouge, and Canal-Commercial Bldg., New Orleans; J. V. & R. T. Burkes, Carondelet Bldg., New Orleans, Contr., at \$70,308; items to be purchased include structural steel, terra cotta, granite, roofing and sheet metal work.*

La., Monroe—Courthouse—Ouachita Parish Police Jury, Chas. W. Phillips, Pres., let contract at \$18,478 to MacArthur Concrete Pile & Foundation Co., 24 Johns St., New York City, for concrete piling foundation of \$500,000 courthouse; J. W. Smith, Archt., Ouachita Bank Bldg., Monroe.*

N. C., Greensboro—Fire Station—City, P. C. Painter, Mgr., let contract for sub-fire station to L. A. Jackson, Banner Bldg.; plumbing to O. E. Kuhne; heating, P. M. Pettit; cost about \$10,000; Simmond & Sawyer, Archts., 401 Jefferson-Standard Bldg., all Greensboro; Archts. advise plans not complete for central fire station.*

N. C., Winston-Salem—Market Equipment, etc.—City, Chas. L. Creech, Chmn. Market Comm. of Board of Aldermen, let following contracts for equipment, etc., for 2-story market under construction by Southeastern Construction Co., 129 Brevard Court, Charlotte, N. C.; Northup & O'Brien, Archts., Starbuck Bldg., Winston-Salem; plumbing, Home Plumbing Co., Third St., \$10,345; heating, L. B. Brickenstein, Starbuck Bldg.,

\$9914, both Winston-Salem; tile work, Carolina Marble & Tile Co., \$7190; cold storage, United States Cork Co., \$19,845; fixtures and counters, Cincinnati Butchers' Supply Co., 2008 Central Ave., Cincinnati, O., \$12,500; refrigerating, Southern Asbestos Manufacturing Co., 14 Governor St., Richmond, Va., \$27,945.*

Tenn., Sweetwater—Offices—City will erect building for city offices; brick and wood joist construction, 2 stories, 25x90 ft., oak floors, asphalt built-up roof; Manley, Young & Meyers, Archts., 302 W. Church Ave., Knoxville, Tenn.; work to be done by day labor under city officials.

Tex., McKinney—Fair Building—City has started work on 100x180-ft. corrugated iron and steel building at fair grounds; address The Mayor.

Dwellings

Ark., Conway—Dr. J. W. Teas let contract to Stewart & Harton, Conway, to rebuild burned residence, Prince and Davis Sts.

Ark., Magnolia—Mrs. M. E. Moody let contract to W. H. Smith, Magnolia, for 2-story, 12-room residence to replace burned boarding house.

Ark., Monticello—John B. Posey will erect \$16,000 brick residence on site of present frame residence, N. Main St.; H. T. Berry, Contr., Monticello.

Ark., Ozark—Raymond C. Conaster let contract for 2-story residence, River St.

Ark., Pine Bluff—Mr. Ralston, Owner, Hot Springs Plumbing Co., Hot Springs, Ark., will erect brick and stucco residence, Tennessee St. near 2nd St.; brick, lime, cement, Texas cement plaster and mortar colors by Riley Feed Manufacturing Co., 309 Alabama Ave., Pine Bluff; work started.

Fla., Englewood—A. Stanley Lampp has started work on residence.

Fla., Jacksonville—Mrs. T. V. Porter, 305 W. Church St., will erect \$20,500 residence, N. side St. Johns St. near Avondale St.; 2 stories, tile and stucco; Better Homes Co., Contrs., Jacksonville.

Fla., Leesburg—T. E. Douglas will erect stucco residence, Herndon St. near Perkins St.; Mathis & Scarborough, Contrs., Leesburg.

Fla., Leesburgh—Thos. Gerakios will erect brick residence, Palmetto St. near 1st St.; Mathis & Scarborough, Contrs., Leesburg.

Fla., Miami—Coral Gables Construction Co., Coral Gables, has started work on \$15,000 residence, Coral Gables.

Fla., Miami—C. W. DeLong is erecting \$40,000 residence, Coral Gables.

Fla., Miami—J. Alden Mitchell is erecting \$10,000 residence, Country Club Estates; Martin L. Hampton, Archt., 300 N. E. 14th St.; E. A. Ehmann, Asso. Archt., Congress Bldg.; C. A. Sutton, Contr.; all Miami.

Fla., Miami—Arthur Wagener, Pres., Wagener Plumbing Co., Pittsburgh, Pa., has started work on \$10,000 residence 10th St. and Griffing Blvd., Biscayne Park subdivision; 2 stories, 8 rooms, concrete and tile.

Fla., Miami—W. L. Williams is erecting \$40,000 residence, Coral Gables.

Fla., Miami Beach—W. Roberts will erect \$32,000 Spanish type residence, Alton Rd. near Nautilus Hotel; 2 stories with 3-story tower; mission tile roof, servants' rooms and baths over garage and laundry; Beach Construction Co., Contr., 1730 Purdy Ave., Miami Beach.

Fla., Sarasota—R. E. Brown & Co., Inc.,

let contract to Alex Browning, Sarasota, for number of dwellings, Audubon Place; Spanish-Florida type; first dwelling to be built on Bryan St.

Fla., Sarasota—Alex Eger let contract to C. J. Close, Tavares, Fla. (lately noted Sarasota) for 2 dwellings in Valencia Terrace; Spanish type, hollow tile and stucco, cost about \$6000 each.*

Fla., Sarasota—J. A. Maahs will erect 2-story Dutch Colonial dwelling, 12th St.; 2 bungalows on 11th St. and 2-story dwelling, 8th St.

Fla., Tampa—Walton Grey, St. Petersburg, Fla., present address Box 321, Tampa, is excavating for foundation of \$70,000 reinforced concrete, brick and ornamental terra cotta residence, Beach Park; Spanish type, 3 stories, 51x74.8 ft., oak, birch and concrete floors, reinforced concrete foundation, composition built-up roof, interior tile, ventilators; bids desired on all interior trim and doors, oak, birch and gum; Edgar Ferdon, Archt., St. Petersburg; Arcola system of heat and plumbing to B. P. Scuggs; electric work, Hale & Burke, both Tampa. Address Mr. Grey, Tampa. (See Mch. Wanted—Ornamental Iron Work.)*

Fla., West Palm Beach—Chas. S. Slocum will erect \$15,000 residence and garage, Valencia St. near Olive St.; 63x54 ft. and 14x20 ft., frame and stucco; A. I. V. Wilson Co., Contrs., West Palm Beach.

La., New Orleans—G. J. Delcoix, 3520 Cleveland St., will erect \$13,500 triplex residence, 2423 Broadway; Chas. Pfister, Contr., 5030 Magazine St., New Orleans.

La., New Orleans—Aetna Homestead Ass'n., Marine Bank Bldg., will erect bungalow, Elizabeth and Walnut Sts.; cost about \$10,000; A. M. Scott, Contr., 1139 Delachaise St., New Orleans.

Md., Baltimore—Geo. R. Morris Organization, Morris Bldg., will erect dwelling and garage, 725 Winans Way, and one N. side Brinkwood Rd. near Glen Alley; frame, 2½ stories; total cost \$16,000.

Miss., Macon—J. V. Pace, County Demonstration Agt., is excavating for foundation of residence on Jefferson St.

Mo., Cape Girardeau—Brumback-Caldwell Realty Co. will erect 2 dwellings, N. Pacific St. at College Hill; brick, 7 rooms; to sell for about \$10,000 each; owner builds.

Mo., Kansas City—J. N. Parker has started work on native stone, brick, stucco and half timber residence, Oakwood Rd. and Guilford Lane; garage in basement; Archer & Gloyd, Archts., 321 Reliance St., Kansas City.

Mo., St. Louis—G. S. Drake, 6115 Lindell St., will erect \$55,000 residence; brick, 3 stories, 64x73 ft., composition roof, steam heat; La Beaume & Klein, Archts., Compton Bldg.; Duker Construction Co., Contrs., 905 Olive St.; both St. Louis.

Mo., University City (Station St. Louis)—T. J. McGary, 3654 Arsenal St., will erect \$12,000 residence and garage, 6965 Pershing Ave.; 2½ stories, 36.5x42.5 ft., brick, tile roof, hot water heat; R. A. Conzelman, Archt.; B. J. Charleville Building & Real Estate Co., Contr., both Calumet Bldg., St. Louis.

Mo., University City (Station St. Louis)—Olivania Park Realty & Sales Co., 4829 Delmar Blvd., will erect 5 brick bungalows, 1083-85-89-93-95 Pennsylvania Ave.; 1 story, 28x32 ft., composition roofs, hot water heat; total cost \$17,500; O. P. Steele, Contr., 6930 Dartmouth St., St. Louis.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Mo., Webster Groves (Ind. Branch St. Louis)—Mrs. E. S. Hart, Maple and Cedar Aves., will erect \$15,800 residence, 137 Maple Ave.; 2 stories, 35x32 ft., 8 rooms, frame and stucco; H. J. Harspool, Contr., Empire Bldg.

N. C., Asheville—F. M. Killen, 393 Merimon Ave., has completed foundation of bungalow in Grovemont Park.

N. C., Asheville—Watson Corp., L. H. Watson, Pres., Professional Bldg., Miami, Fla., has contract for 10 dwellings in Government Park; cost \$6000 to \$12,000 each.

Okla., Holdenville—Guy Buchner is erecting \$60,000 residence.

S. C., Spartanburg—Jas. Chapman, R. F. H. Chapman, 168 E. Main St., and Dr. L. J. Blake let contract to Fiske-Carter Co., 115 W. Main St., Spartanburg, for 3 residences for group estate, Plume St., Converse Heights; total cost \$100,000; Lockwood, Greene & Co., Archts., 24 Federal St., Boston, Mass., Spartanburg, etc.; E. S. Draper, Landscape Archt.-Engr., 11 E. 5th St., Charlotte, N. C.*

Tenn., Gallatin—Miss Kate Love will erect residence; enamel brick, limestone and granite trim, slate and tile roof, wire and prism glass; Duncan Bros., Contrs., Gallatin.

Tenn., Jackson—E. G. Parrish will erect \$15,000 residence, Poplar St.; 2 stories and basement, brick veneer; owner builds and sub-lets.

Tenn., Johnson City—F. F. Doser let contract for \$14,000 residence, 9th Ave., to Burleson-Laws, Johnson City.*

Tenn., Knoxville—H. G. McMillan let contract for \$15,000 English type residence, 1827 Melrose Place, to B. T. Thomas; A. B. Baumann & A. B. Baumann, Jr., Archts., 813½ Market St., both Knoxville.*

Tenn., Knoxville—R. D. Rodgers, 1107 Eleanor St., has started work on residence, Scenic Drive; A. B. Baumann and A. B. Baumann, Jr., Archts., 813½ Market St., Knoxville.

Tenn., Knoxville—Geo. Newbold, 506 Surrey St., has started work on residence, Scenic Drive; A. B. Baumann and A. B. Baumann, Jr., Archts., 813½ Market St., Knoxville.

Tenn., Memphis—H. S. Duttlinger will erect \$10,000 residence, 304 Buena Vista St.; 8 rooms, brick veneer; heating, \$1000; Clinton Building Co., Contr., Scimitar Bldg., Memphis.

Tenn., Memphis—W. J. Foster will erect 3 brick veneer dwellings, 1734-35-47 Caruthers St.; 6 rooms; J. B. Moody, 42 N. Claybrook St., Contr., Memphis.

Tenn., Memphis—S. M. Eber, 312 Carroll Ave., has started work on \$16,000 residence, 331 Stonewall Place; Colonial type, brick, stone trim, tile roof, red gum and old ivory interior finish; Hubert T. McGee, Archt.; Madison Ave. Bldg., Louis Diehl, Contr., 1663 Forrest St., both Memphis.

Tenn., Memphis—H. H. Haizlip will erect \$10,000 residence and \$1000 garage, 1855 Herbert St.; 7 rooms, brick veneer; heat \$1000; M. J. Gallagher, Contr., 216 Washington St., Memphis.

Tenn., Memphis—Sacred Heart Catholic Church, Rev. P. L. Mahony, Pastor, will erect \$30,000 rectory, Jefferson Ave.; 3 stories, red tile roof; Hanker & Cairns, Archts.; Scimitar Bldg., J. H. Moselage, Contr., 188 Dudley St., both Memphis.

Tenn., Nashville—E. L. Hampton, 2407 West End, will erect \$35,000 residence on Hillsboro Rd.; C. D. Wright, Contr., 8 S. Fourth St., Nashville.

Tex., Dallas—M. E. Faber Construction Co. will erect \$15,000 dwelling, 5815 Swiss Ave., Munger Heights; 2 stories, 44x43 ft., brick veneer; J. L. Bothwell, Archt., 1728 Stoneman St., Dallas; owner builds.

Tex., Dallas—H. T. Finch, 5909 Goliah St., will erect brick veneer residence, 5819 Mer-

cedes St.; 1 story, 36x64 ft.; Waddell Bros., Contrs., Dallas.

Tex., Dallas—W. H. May, 612 Laurel St., will erect 2-story, 7-room residence, 5927 Reiger St.; Covington & Summons, Contrs., Dallas.

Tex., Dallas—R. L. Slaughter will erect \$30,000 residence, Beverly Drive, Highland Park; 2 stories, brick veneer; Thomson & Swaine, Archts., Southwestern Life Bldg.; J. O. Everett, Contr., 417 S. Marlborough St., both Dallas.

Tex., San Antonio—Walter McAllister let contract for \$12,000 Spanish type residence, E. Huisache St., to John Westerhoff; 2 stories, stucco, metal lath, clay tile roof, plastered walls, concrete foundation; Harvey P. Smith, Archt.; both San Antonio.

W. Va., Huntington—W. H. Newcomb, care Anderson-Newcomb Co., 927 Third Ave., has started work on \$20,000 residence, Park Hill.

Government and State

Ark., Little Rock—H. B. Solmson, A. O. U. W. Bldg., will erect \$15,000 building, Pulaski Heights, for branch postoffice; Matt M. Bush & Bro., Contrs., Exchange Bank Bldg., Little Rock.

Hospitals, Sanitariums, Etc.

Ky., Pikeville—Methodist Hospital of Kentucky, Inc., desires bids until Sept. 1 on passenger elevators and dumbwaiters, hospital equipment and electric water pump with high pressure tank for brick hospital; Fred W. Castle, Huntington, W. Va., has contract for completion at \$22,021; plans by Mr. Castle; building, 4 stories, 48x90 ft., asphalt roof, cost \$190,000; heating and plumbing to Druln & Co., Huntington; electric wiring and fixtures, Pikeville Electric Co., Pikeville.*

Tex., Abilene—State Board of Control, S. B. Cowell, Chmn., Austin, Tex., let contract for \$10,000 storehouse at State Epileptic Colony to J. R. Horn & Son, Abilene.

Tex., Wichita Falls—State Board of Control, S. B. Cowell, Chmn., Austin, let contract at \$90,006, to J. D. Stephens Construction Co., Altus, Okla., for ward building; at \$11,752, to Reid & Costley, Wichita Falls, for industrial building; at \$5225, to Naylor & Collins, Wichita Falls, for addition to store-room, and at \$12,500, to Hampton Metal & Plumbing Co., Vernon, Tex., for wiring and heating ward and industrial buildings; building to be reinforced concrete skeleton, brick and stone trim walls; ward building, 2 stories, 187x83 ft., concrete, tile and edge grain pine floors, concrete foundation, hollow and interior tile, ventilators, tar and gravel roof; heat from central heating plant, conduit system electric wiring; Voelcker & Dixon, Archts., Wichita Falls.*

Hotels and Apartments

Ala., Birmingham—T. M. Thorpe has contract for erection of \$15,000 2-story brick apartment building at Tenth St., South and Orange Sts.

Fla., Cocoa Beach—Cocoa Beach Development Co., Gus C. Edwards, Pres., let contract to W. H. Bower, Cocoa, for erection of apartment building; Frank L. Brown, Cocoa, electrical work.*

Fla., Miami—J. H. Garfield will erect \$17,500, 10-family apartment house in Escotonia Park at N. E. 26th Ter.; owner builds.

Fla., Miami—W. H. Greene let contract to J. H. Garfield, Miami, for \$17,500 apartment building in Escotonia Park at N. E. 26th Ter.

Fla., Miami—Dr. R. B. McFeeters, 548 W. Flagler St., let contract to Jarrett & Riley, Miami, for two 40x104 ft., 2-story, concrete block apartment buildings on S. W. Sixth St., between 8th and 9th Aves.; 12 apartments each.

Fla., Miami—R. B. McLendon let contract to Sandquist & Snow, Calumet Bldg., Miami, for erection of \$300,000, 100-rooms and baths, Spanish design apartment-hotel at Coral Gables; Hampton & Ehmann, Congress Bldg., Archts., Miami.

Fla., Miami—Shipp & Futch and S. M. Bonney are erecting 2-story, 8-family apartment building on 32d St. and will start work in 10 days on similar building; cost \$22,500 each.

Fla., Miami Beach—J. C. Griffin of Wellen, Canada, is erecting 3-story, Spanish type hotel on Washington Ave. near Fifth St.; lobby across front, dining room and 60 guest rooms; W. F. Brown, Archt., Miami.

Fla., Miami Beach—Carter & Co. of Fargo, N. D., J. D. Carter, Pres., will soon open offices with Garnett & Yocum at 9 Ocean Drive, and contemplate erecting \$150,000, 4-story, fireproof, 71-apartment building; owners build.

Fla., Miami Beach—Wilson Puder let contract to Phillips & Culmer, Miami Beach, for \$45,000, 2-story, concrete, brick, 8-family near Lincoln Road; Robt. L. Weed, Archt., apartment building on Pennsylvania Ave., Miami Beach.

Fla., Winter Haven — Mrs. Anna Eycle-shimer has plans by and let contract to Garland & Zinn, Winter Haven, for \$20,000, 2-story, stucco, Spanish type, eight 4-room apartment building on Sixth St. and Michigan Ave.

Ga., Atlanta—Thedford, Jones & Lowndesburg, 601 N. Boulevard, will erect \$100,000 brick veneer and tile apartment building; composition roof; bids on material and sub-contracts desired; owners build.

Mo., Maplewood (Br. of St. Louis)—Johanna Fischer, 2259 Blendon Place, let contract to Chas. A. Fischer, 7236 High St., for \$16,000, 2-story, 4-family, brick, 36x56 ft. flat building, 2259 Blendon Place.

Mo., St. Louis—H. Himichs, 1917 Park St., will erect \$14,000 2-story 20x48 ft. tenement building, 3662 Dover St.; owner is Archt. and Builder.

Mo., St. Louis—J. D. Walsh, 2203A McCausland St., will erect 2-story, brick, 24x49 ft. tenement at 1312 McCausland St. to cost about \$10,000, slate-coated shingle roof, hot water heat; W. Laesche, Archt. and Builder, 7309 Gaylord St., St. Louis.

Mo., St. Louis—West End Realty & Construction Co., 6229 Delmar St., will erect four 2-story, brick, 34x50 ft. tenements at 1511-23 Burd St.; \$40,000; composition roofs, steam heat; C. L. Thurston, Archt., 6229 Delmar St.; owner builds.

Mo., St. Louis—S. A. Wier, 6023 Etzel St., will erect \$15,000 2-story 31x61 ft. tenement building, 5952 Julian St.; composition gravel roof, steam heat; Howsack Bros., Archts. and Builders, St. John Station.

S. C., Anderson—Anderson Community Hotel Corp. let contract to Fiske-Carter Construction Co., Masonic Temple Bldg., Greenville, for \$325,000, 8-story, 100x100 ft., 2 stories and 66x100 ft. 6 stories, reinforced concrete, 102-room John C. Calhoun Hotel, N. Main and Sharp Sts.; concrete and tile floors, tar and gravel roof, concrete foundation, hollow tile, interior tile, metal doors; heating and plumbing in general contract; Webb Electric Co., Anderson, electrical work; Casey & Fant and J. J. Baldwin, Archts., Anderson, S. C.; address Harry A. Orr, Chmn. Building Committee.*

S. C., Chester—Chester Plumbing & Heating Co. has contract for installing steam heat in Myers Hotel.

Tenn., Memphis—Wm. E. White, Outlet St., has plans in progress and will erect \$35,000 apartment building on Auburndale and Poplar Sts. with day labor.*

Tex., Austin—James Osborne, Mgr. Avenue Hotel, let contract to J. V. Jambers, San Antonio, at \$146,750, for brick, stone and reinforced concrete, fireproof, 6-story Alamo Hotel, 6th and Congress Aves.; first story 92x126 ft., balance 45x126 ft.; pitch and gravel roof, terrazzo and cement floors; reinforced concrete foundation, hollow tile, metal doors, vaults, ventilators, steel sash and trim, wire glass; Andrew Fraser, Archts., 128½ W. Main St., Ardmore, Okla.*

Tex., Corsicana—L. H. Lacy, 3310 Commerce St., Dallas, has contract for 100x100-ft., concrete, brick, stone and tile Hotel Navarro, and is taking sub-bids on plumbing and heating; vacuum heat; C. H. Griesenbeck, Archt., Southwestern Life Bldg., Dallas.

Miscellaneous

Fla., Tallahassee—Tallahassee Country Club is erecting clubhouse; plans to enlarge present 9-hole golf course to 18-hole course.

Ga., Atlanta—Clubhouse—Druid Hills Golf Club, Dr. Thos. Hinman, Pres., let contract to Barge-Thompson Co., 61½ N. Forsyth St., Atlanta, at \$110,000, for 3-story, concrete, brick and steel, fireproof clubhouse; oak and cement floors, ornamental terra cotta, rolling partitions, interior tile, hollow tile, slate roof, rubble stone and brick foundation; will take bids in about 2 weeks for heating; Dougherty & Gardner, Archts., Stahlman Bldg., Nashville, Tenn.*

Ga., Sparta—Fair Building—Hancock County Fair, care County Agent Truitt, is erecting exhibit building.

Mo., St. Louis—Club and Office—University Club, Grand and Washington Sts., let contract to Selden, Breck Construction Co., 1108 Fullerton Bldg., St. Louis, for \$19,000, 38x42 ft. addition to 13-story club and office building; Eamer & Young, Archts., Arcade Bldg., St. Louis.

Tex., Corsicana—Schools—State Board of Control, Austin, let contract to Morgan-Dickson Lumber Co., Corsicana, at \$13,241.30 for remodeling 2-story, fireproof, 30x80 ft. school building at State Orphans' Home; H. O. Blanding, Archt., Corsicana.*

Tex., Greenville—Fair Buildings—Hount County Fair & Amusement Co. let contract for erection of 80x110 ft. automobile exhibition hall; concrete floors, 18-ft. ceiling, timber with steel frames, metal roof; Rutherford & Davenport, Greenville, low bidders on concrete and stucco gasoline filling station on n. e. cor. fair property.

Tex., Marshall—Fair Buildings—Central East Texas Fair, Bryan Blalock, Sec., let contract to Jesse Ford, Marshall, for erection of artistic entrance to fair grounds.*

Tex., Sherman—Fair Buildings—Directors of Red River Valley Fair let contract to W. E. Gibson, Sherman, for erection of athletic grandstand and fence on east side Old Settlers' Park; plans by Jno. Tulloch for erection of stadium.

Railway Stations, Sheds, Etc.

Ala., Andalusia—Louisville & Nashville Ry. Co., W. H. Courtney, Ch. Engr., Louisville, let contract to Andalusia Manufacturing Co., Andalusia, for passenger and freight station; plans call for brick and tile building with shed to cost \$40,000.*

Mo., Lebanon—St. Louis-San Francisco R. R. Co., F. G. Jonah, Ch. Engr., St. Louis, is erecting depot; T. H. Johnson & Co., Sedalia, Mo., and Dallas, Tex., has contract; L. W. Bowd, Supt. of Construction; concrete construction to windows and tile above; asbestos roof.*

Schools

Ala., Cullman—Sacred Heart Academy is

erecting building on campus to contain laboratories on first floor for physics, chemistry, domestic science, etc.; on second floor will be dramatic hall; third floor for private sleeping rooms and two dormitories; foundation of sandstone and balance brick.

Ala., Spring Hill—Spring Hill College Trustees let contract to Realty Construction Co., 3118 S. Royal St., Mobile, for alterations to east wing; work will start on second unit when east wing is completed and on third unit with completion of second unit; total cost \$117,000; plans being drawn by C. L. Hutchisson, A. H. Downey, J. Pratt Roberts and W. H. March; all Mobile.

Ala., Talladega—School Board let following contracts: Library shelves, Fred Medart Mfg. Co., St. Louis, Mo.; library furniture, assembly room opera chairs and office furniture, Dewberry & Montgomery, Birmingham; student lockers, Hart & Hutchinson, Boston, Mass.; teachers' desks and chairs, Zack Smith Stationery Co., Birmingham; tablet arm chairs for recitation rooms, American Seating Co., Chicago, Ill.; physics and chemistry laboratory equipment, E. H. Sheldon Co., Muskegon, Mich.

Ala., Tuscaloosa—University of Alabama let contract to E. Cline, 710 S. 30th St., Birmingham, for erection of \$12,000 fraternity house for Chi Omega fraternity; O. T. Cole, plumbing; Barnes Electric Co., electrical work.

Ga., Albany—City Commrs. and Dougherty County Board of Education let contract to A. E. Itner Co., Albany, at \$151,010, for erection of high school building on N. Jefferson St.; Service Co., Columbus, heating at \$11,252.66; Standard Equipment Co., Albany, plumbing, at \$7098; Lockwood & Poundstone, Archts., 816-7 Forsyth Bldg., Atlanta, Ga.*

Ga., Decatur—School Board let contract to Arnold Construction Co., Elberton, Ga., for \$35,000 addition to school building; brick walls, composition roof; Edwards & Sayward, Archts., 101 Marietta St., Atlanta, Ga.

Ga., Jackson—Butts County Board of Education awarded contract for erection of 6-room and auditorium, Towaliga Consolidated School.

Ga., LaGrange—School Board let contract to M. L. Thompson for 2-room addition to Dawson school and to J. E. Whitley for concrete floors.

Ga., Moultrie—Board of Education is erecting school building.

Ga., Perry—Perry Consolidated School District, H. P. Hauser, Sec., let contract to New Winder Lumber Co., Winder, Ga., at \$56,000 for erection of 1-story, brick and tile school building; hardwood and concrete floors, concrete foundation, Carey shingle roof, ornamental terra cotta, plaster; L. M. Leathers, Athens, tin work; Tayler Electric Co., Athens, electric wiring; Opryor Plumbing & Heating Co., Macon, plumbing and heating; Wm. J. J. Chase, Archt., 140 Peachtree St., Atlanta, Ga.*

Ky., Danville—Kentucky School for the Deaf let contract to A. E. Walker, Danville, for erection of \$50,000 gymnasium building; Clark Plumbing Co., heating at \$3689; B. J. Durham, plumbing at \$3608; both Danville; Frankel & Curtis, Archts., 401 Hernando Bldg., Lexington, Ky.*

Ky., Murray—School Board let contract to Forbes Manufacturing Co., Hopkinsville, Ky., for 3-story, 90x190 ft., brick walls and wood joist school building; concrete stairs and corridor floors; W. E. Gore, Archt., Realty Bldg., Louisville, Ky.*

Ky., Paducah—Lone Oak Consolidated School District, care W. M. Milliken, Chmn., County School Board, let contract to McGary and Crayne, Paducah, for addition to school building.*

Md., Baltimore—St. Ambrose Catholic

Church, Rev. Thos. E. McGuigan, Pastor, let contract to L. E. D. Gaudreau, 3458 Park Heights Ave., Baltimore, for 2½-story, \$200,000, stone and brick, 8 classrooms and assembly hall, 111x93x45 ft. parochial school building, N. W. cor. Park Heights Ave. and Wylie Ave.; Maginnis & Walsh, Archts., 100 Boylston St., Chicago, Ill.*

Md., Frederick—Hood College, Dr. Jos. H. Apple, Pres., let contract to Lloyd C. Culler for construction of Williams Astronomical Observatory.

Miss., Abbeville—Board of Education let contract to C. V. Cox, Water Valley, Miss., at \$44,827, for 1-story, 59x124 ft. brick school building; pine floors, concrete foundation, asphalt shingle roof; desire bids on heating and plumbing, plastering and brick work; Alsop & Callanan, Archts., Rand Bldg., Memphis, Tenn.*

Miss., Columbus—Board of Education let contract to D. S. McClanahan and Son for \$16,000 negro school building.

Miss., Vicksburg—Warren County Agricultural School Board Supt. opened bids for re-building Culkin Academy; A. N. Barfield low bidder at \$13,560; contract awarded; contain 6 rooms and auditorium; W. A. Stanton, Archt., 308 First National Bank Bldg., Vicksburg.*

Mo., Kansas City—Board of Education, J. B. Jackson, Sec., Library Bldg., let contract to John Gosling, 3614 Anderson St., Kansas City, at \$46,989, for 6-room, brick and concrete building for Border Star School, 63rd St. and Wornall Road; C. A. Smith, Archt.; J. A. Brady, Mech. Engr.; both Finance Bldg., Kansas City, Mo.*

Mo., Miller—Board of Education let contract to H. F. Walle, Miller, for 2-story, brick and concrete, 50x90 ft. school building to cost about \$10,000; Barrett roof, wood floors, concrete foundation, metal ceilings, ventilators; B. M. Mutersbaugh, Archt., Miller.*

Mo., Montrose—Board of Education let contract to Walter Kelley, El Dorado Springs, Mo., at \$13,568, for brick and frame 40x60-ft. 2-story school building; composition roof, maple floors, concrete foundation; Fred Luchsinger, Appleton City, Mo., fan blast heating; Wm. H. Sayler & Co., Archts., 309 Mutual Bldg., Kansas City, Mo.*

N. C., Greensboro—School Board let contract to L. A. Jackson, Banner Bldg., Greensboro, at \$41,533, for 2-story, 16-room, 150x60 ft. temporary school building for high school, on Bain lot adjacent to high school property on South Spring St.; frame, wood floors, brick foundation, rubber roof, steam heat; W. W. Dick, Greensboro, heating at \$85,000; plumbing not let and electrical work in general contract; Harry Simmonds, Archt., Jefferson Bldg., Greensboro.*

N. C., Vass—Vass Consolidated School District, W. D. Mathews, Sec. Building Comm., let contract to O. Z. Barber, Goldston, N. C., at \$43,387, for erection of school building; J. M. Kennedy, Archt., Merchants Bank Bldg., Raleigh, N. C.*

N. C., Wilson—Board of Trustees Graded School District, Chas. L. Coon, Chmn., let contract to Jones Bros., Wilson, at \$27,000, for completion of interior of natatorium and gymnasium of high school; Wilson, Berryman & Kennedy, Archts., 1306-13 Palmetto Bldg., Columbia, S. C., and 205 Davis Bldg., Wilson, N. C.

S. C., Gaffney—W. T. Duncan, Gaffney, has contract for converting into dormitory space the fourth floor of Dixie Lodge at Limestone College.

S. C., Ladson—Board of Trustees, School District No. 4, Charleston County, C. E. Lepley, Chmn., North Charleston, let contract to T. W. Worthy, 4 Broad St., Charleston, for \$10,000, 1-story, 2-room and auditorium

school building; A. W. Todd, Archt., 108 Church St., Charleston.*

S. C., Lakeview—Lake View School District Trustees, D. K. Ford, Chmn., let contract to J. F. McBride, Cheraw, at \$32,400, for brick and frame 8-room and auditorium high school; wood and concrete floors, Barrett roof; W. D. Harper, Archt., Florence, S. C.*

S. C., Sumter—Board of Education let contract to Durabilt Steel Locker Co., Aurora, Ill., for lockers, and to L. O. Shade Co., Spiceland, Ind., for shades for 2 high school buildings.

Tenn., Decatur—Meigs County Board of Education let contract to B. C. Young, Sweetwater, Tenn., for \$25,000, 1-story, brick and wood joist, 10-room and assembly hall school building; Manley, Young & Meyer, Archts., 302 W. Church Ave., Knoxville, Tenn.*

Tenn., Memphis—Southwestern College, S. W. McGill, Chmn. Building Comm., let contract to R. T. Buffalo, Memphis, for \$50,000 chapel; Henry C. Hibbs, Archt., 4th and 1st Bank Bldg., Nashville, Tenn.*

Tenn., Nashville—Ideal Engineering Co., Nashville, has contract for heating Vanderbilt Memorial Building under construction by Foster & Creighton Co., Fourth & First Bldg., Nashville.*

Tenn., Sparta—Board of Education let contract to Perkins Lumber & Construction Co., Murfreesboro, for \$75,000, brick, concrete and steel school building; wood floors, concrete foundation, asphalt built-up roof; W. W. Morris, Cookeville, plumbing and heating; Manley, Young & Meyer, Archts., 302 W. Church Ave., Knoxville, Tenn.

Tex., Austin—W. J. Rauck, 738 Drexel St., San Antonio, has contract for erecting steel on building for Wesley Bible Chair Assn., for which Will Biggs, Austin, has general contract.

Tex., Austin—University of Texas let contract to W. J. Hauck, 738 Drexel St., San Antonio, for steel erection of Biology Building.

Tex., Burnet—Board of Trustees of Live Oak School District let contract for erection of brick school building.

Tex., Cooper—Board of Education let contract to San Antonio Construction Co., San Antonio, at \$60,020, for erection of 2-story, reinforced concrete and brick high school building; Travis Electric Co., 204 E. Trans St., at \$1834; Daly C. Hoffman, Texarkana, plumbing and heating at \$7893; Phelps & DeWees, Archts., Gunter Bldg., San Antonio.

Tex., Crosby—Crosby Independent School District Board of Trustees, Arthur Wilson, Sec., let contract to Freed & Ecland, Houston, for erection of school building; Jno. McClelland, Archt., Woodworth Bldg., Houston; recently voted \$35,000 bonds.*

Tex., Dallas—Board of Education let contract to Stearman & Son, Slaughter Bldg., Dallas, at \$47,345, for erection of Hogg school building; Levy Plumbing Co., 517 N. Akard, plumbing, at \$4145; Kinnison Bros., 311 N. Austin, heating, at \$8182; Superior Electric Co., 409 S. Ervay, wiring, at \$1172; C. D. Hill & Co., Archts., Central Bank Bldg.; all Dallas.*

Tex., Joaquin—Board of Education, E. L. Ramsey, Sec., let contract to Thomas & Harris, Center, Tex., for remodeling present building and erecting additions to 2 schools; \$28,000, 24x68 ft. each; C. H. Leinbach, Archt., Deere Bldg., Dallas.

Tex., Navarro—School Board, M. M. White, Pres., let contract to J. E. Metcalfe & Son, Corsicana, for \$32,000, 2-story, stone and concrete school building; M. A. Horne, Archt., Corsicana.

Tex., Oenaville—Board of Education let contract to Hope Bros., Waco, for \$26,000 brick and concrete 25x150 ft. school building;

Wm. J. Nichol and Geo. G. Campbell, Archts., Radford Bldg., Abilene, Tex.*

Va., King William—King William Board of Education let contract to M. S. Weaver, Aberdeen, N. C., for \$26,000 1-story brick and tile 100x100-ft. school building; wood floors, concrete foundation, asbestos roof; Linthicum & Linthicum, Archts., 117 W. Martin St., Raleigh, N. C.*

Va., Fort Myer Heights—Arlington County Board of Education, Prof. Fletcher Kemp, Supt., opened bids for erection of elementary schools in Leeway and at Hall's Hill. Contract for Leeway school let to H. W. Cauffman Construction Co. of Arlington County at \$19,541; contract for Hall's Hill school let to Noble N. Thomas, Arlington, Va., at \$23,502; contracts for heating and sanitation let to American Heating & Ventilating Co., Richmond, Va., as follows: Leeway school, \$2135 and \$630; Hall's Hill, \$2286 and \$665.

W. Va., Ansted—Mountain Grove School Board is erecting with day labor \$40,000, fireproof, 122x82 ft. school building; concrete foundation, metal roof, metal ceilings, concrete and wood floors, ventilators, wire glass; major items to be purchased include steel, brick, lath and plaster; L. A. Kidd, Archt., Ansted.*

W. Va., Charleston—Board of Education let contract to Wallace, Knight Construction Co., Charleston, for erection of \$343,000 Junior High School building at Charleston St. and Garvin Ave.; Columbus Heating & Ventilating Co., Columbus, Ohio, heating; Meyers Bros., 1003 Washington St., Charleston, plumbing; Warne, Tucker & Patterson, Archts., Masonic Temple Bldg., Charleston, W. Va.*

W. Va., Fairmont—Union Independent District Board of Education, Harry Shaw, Pres. let contract to C. E. Minor, 611 E. Park Ave., Fairmont, for \$50,000, 2-story and basement, 60x75 ft., brick and tile East Side high school building; Ralph Fimple, concrete work; W. W. Conaway, 207 Chicago St., brick and stone work; will contain 9 classrooms, library, study hall, principal's office, manual training shops in basement; Jones & Nazum, Archts., 117 Main St.; all Fairmont.*

W. Va., Terra Alta—Board of Education let contract to King Lumber Co., Charlottesville, Va., at about \$100,000 for completion of high school building.

Stores

Ala., Bay Minette—Judge Chas. Hall let contract to Mr. Martin, Bay Minette, for erection of brick business building on Hoyle Ave.

Ala., Dothan—H. J. Morrison of Morrison Construction Co., Augusta, Ga., is razing buildings at Main and Foster Sts., for erection of Kress building.

Ark., Gould—O. L. Graves is erecting 3 store buildings; interlocking tile construction.

Fla., Miami Beach—O. B. Furry is erecting a 3-story building at First St. and Ocean Drive.

Ga., Atlanta—J. B. Burchhardt let contract to J. S. McCauley & Co., Atlanta, to erect store building at 96 Walton St.; Robert & Co., Inc., Archts., Bona Allen Bldg., Atlanta.

Ga., Barnesville—Walter B. Smith is erecting 5 brick stores on Zebulon St.

Ga., Waycross—A. R. Hood of Walker Hood Furniture Co. and L. B. Harrell of Waycross Coco Cola Bottling Co. let contract to T. J. Darling, Waycross, for store and office building. (See Theaters—Contracts Awarded.)

Miss., Tupelo—H. C. McNutt let contract to Tupelo Lumber Co. for erection of brick store buildings on Mercantile lot on Broadway.

Mo., St. Louis—I. and J. Riggio, 5134

Shaw St., will erect \$15,000, 2-story, 50x60 ft. store and apartment building at 5145-9 Shaw St.; composition roof, hot water heat; J. B. Catanzano, Archt., 5227 Pattison St.; owners build.

Mo., University City (Sta. St. Louis)—W. A. Hays, Central Nat'l Bank Bldg., let contract to E. G. Sachse, 4739 Kensington St., for \$12,000, 2-story, 50x63 ft. store and apartment building at 6311-15 and 6317 Delmar Blvd.; composition roof, steam heat.

N. C., Greensboro—J. B. Galbraith, local mgr., let contracts for extensive improvements to cost about \$40,000, at Liggett drug store, Elm and Market Sts.; plate glass windows will be installed, interior remodeled, soda fountain of Italian white marble and Tennessee pink marble will be installed.

N. C., Greensboro—Clem G. Wright, Irving Park, let contract to Jno. T. Hunt & Co., 401 S. Edgewood St., Greensboro, for 3-story, brick building on N. Elm St., to cost \$50,000; 30x125 ft., brick with ornamental front; Harry Barton, Jefferson Bldg., Archt., Greensboro.

N. C., Jefferson—Carl Miller is erecting brick building to house cafe.

N. C., Jefferson—W. M. Poe is erecting brick store building.

N. C., Winston-Salem—Frank W. and A. C. Miller, 506 Summit St., and Mrs. R. C. Galloway let contract to J. M. Kesler, Winston-Salem, for erection of 2-story and basement, \$80,000, fireproof, 69x95 ft., brick, steel and concrete store building on Fourth St.; front above granite base will be cream-colored terra cotta, reinforced concrete foundation, Barrett roof, composition and concrete floors, hollow tile, interior tile, vault lights, ventilators, ornamental terra cotta, steel sash and trim, wire glass; Macklin & Faught, Archts., Winston-Salem.*

Tenn., Harriman—C. W. Hill, Oakdale, Tenn., let contract to L. A. Ferguson Harriman, for \$10,000, 2-story, brick, steel and wood joist, 25x120 ft., store and apartment building; oak floors, composition asphalt roof, concrete foundation; Manley, Young & Meyer, Archts., 302 W. Church Ave., Knoxville.

Tenn., Memphis—J. C. Davis let contract to T. C. McDow, Memphis, for \$30,000 store and apartment building; Mahan & Broadwell, Archts., American Bank Bldg., Memphis.

Tex., Lubbock—J. F. Bacon let contract to J. B. Maxey, Lubbock, for brick business house at Broadway and Avenue K.

Tex., Wilson—Mr. Cobb let contract to W. P. Nugent for erection of 2-story brick building to contain store in first floor and offices above.

Theatres

Ga., Waycross—A. R. Hood of Walker Hood Furniture Co. and L. B. Harrell of Waycross Coco Cola Bottling Co., are erecting 2-story theater building and building to contain 2 stores on ground floor and 15 offices above; corner store 20x70 ft. and inside store 35x100 ft.; corner store will have plate glass for entire front and half of length; faced with Wesleyan brick; brick supplied by Dixie Brick Co. of Columbus; Greeley & Benjamin, Archts., Bisbee Bldg., Jacksonville, Fla.; T. J. Darling, Contr., Waycross.*

N. C., Jefferson—P. T. McNeill and J. E. Shumate are erecting theater building.

Tenn., Murfreesboro—Crescent Amusement Co. of Nashville, owner of Grand Theater, let contract to Maughans & Bell, Murfreesboro, for remodeling.

Warehouses

Md., Baltimore—D. C. McAleer Construc-

tion Co., Phoenix Bldg., will erect warehouse and garage building at 1755-59 Carswell St. Mo., St. Louis—City of St. Louis, City Hall, let contract to Gamble Construction Co., 620 Chestnut St., St. Louis, for \$17,000, 1-story, 165x31 ft. warehouse at 1945 N. Wharf, to be leased by Missouri Portland Cement Co., Post-Dispatch Bldg., St. Louis; Mauran, Russell & Carwell, Archts., Chemical Bldg., St. Louis.

N. C., Durham—Kramer Tobacco Co., 125 W. Parrish St., let contract to Thompson & Cannady, Geer Bldg., Durham, for \$18,000, brick warehouse and office building on Holland St.

N. C., Monroe—Monroe Hardware Co. let contract to G. M. Puckee, Monroe, for \$50,000 3-story, brick and steel, fireproof warehouse on S. Haynes St.; 90x134-ft.; elevators, sprinkler system; V. W. Breeze & Co., Archts. and Engrs., Kinney Bldg., Charlotte.

S. C., Florence—Fred Germany & Co. let contract to Haynsworth & Stuckey, Florence, at \$13,331 for 52x120-ft. 1-story mill construction warehouse; composition roof, metal doors, vaults, ventilators, steel sash, wire glass; Wilkins & Hopkins, Archts., Florence.*

Tenn., Greeneville—Bernard Tobacco Warehouse is making 80x140-ft., 11,200 sq. ft. addition.

Tex., Houston—Van Noy Interstate Co., 216 W. 17th St., Kansas City, Mo., is erecting with day labor \$15,000 interlocking hollow tile, 100x100 ft., office and warehouse building at 919-21 Melnor St.; tar and gravel roof, concrete floors and foundation, plaster board; plans by Houston office of company.*

Tex., San Marcos—Ed Kasch is erecting 137x120 ft., 2-story, iron clad warehouse on South Cedar St.; E. W. Coers, Contr.; Chitwood Lumber Co. furnishing lumber; both San Marcos.

W. Va., Seebert—Little Levels Supply Co. of Hillsboro, W. E. Wallace, Pres., is erecting warehouse.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Baling (Shavings) Machine.—Ora M. Masters, Harrisonburg, Va.—Wants machine to bale shavings from planing mill.

Boilers and Pipe.—Carolina Dunntile Co., Kinston, N. C.—Wants prices on second-hand or new low pressure boilers and pipe.

Blower System.—Bedford Hardwood Co., Bedford, Va.—Will receive bids for installation of blower system for shavings and saw dust.

Bridge (Toll).—Catahoula Police Jury, Harrisonburg, La.—Wants to correspond with and meet representatives on Oct. 1 of bridge companies interested in establishing toll bridges.

Bridge Construction.—State Roads Comsn., 601 Garrett Bldg., Baltimore, Md.—Will receive bids August 26 to construct triple 3 span, reinforced concrete girder bridge over Big Elk Creek, each span 34 ft. clear with 24 ft. roadway, including all necessary abutments complete; Cecil County, Contract C-46Br.

Building Material.—W. B. Warthen, Davisboro, Ga.—Wants prices on various building materials except brick for \$20,000 church and 3-story Sunday school building.

Carpet.—The Cairo Hotel, James T. Howard, Mgr., 1615 Q St., N. W., Washington, D. C.—Wants to purchase quantity of hall carpeting; correspond with manufacturers.

Cars (Mine).—Crandall Mining Co., Altman, W. Va.—Wants prices on 25 rebuilt mine cars, 44-in. gauge or second-hand cars in good condition.

Cement Coloring Pigment.—Carolina Dunntile Co., Kinston, N. C.—Wants prices on cement coloring pigment.

Conveyor.—J. P. Campbell Sand Co., 313 N. Spring St., Winston-Salem, N. C.—Wants about 250-ft. second hand conveyor.

Crane Runway.—Universal Concrete Products Co., New Martinsville, W. Va.—Wants second-hand overhead crane runway.

Dirigible Headlight.—Lewis Casey, Asst. Cashier, First State Bank, Leakey, Tex.—Wants to contract for the manufacture of patented dirigible headlight for motor vehicles of the Ford type; prefer manufacturer in Texas or as close as possible.

Electric Light Fixtures.—Clayborne Phillips, Burgess Store, Va.—Wants prices on electric light fixtures for \$15,000 church building.

Electrical Supplies.—U. S. Marine Corps, The Quartermaster, Navy Bldg., Washington, D. C.—Will receive bids September 2 for electrical supplies; Sch. No. 112.

Engine (Gas or Oil).—J. P. Campbell Sand Co., 313 N. Spring St., Winston-Salem, N. C.—Wants second hand 75 to 90 h.p. gas or oil engine.

Engine (Steam).—W. R. Kline, 4104 Fifth St., N. W. Washington, D. C.—Wants 20 to 25 h.p. steam engine; second-hand. (See Saw Mill.)

Engine (Gas).—See Water Works Equipment.

Extractor.—Wilson-Hock Co., (Mchy. Dealer) City Point, Va.—Wants self balancing motor driven centrifugal type extractor for expelling water from salt, size approximately 48-in. diam.

Fire Fighting Equipment.—City Comsn., B. A. Redding, Purchasing Agent, Tampa, Fla.—Will receive bids September 2 to furnish and deliver fire alarm apparatus, F. O. B. Tampa, and install central fire office fire alarm equipment for the city; Wm. E. Duncan, City Clk.

Fire Fighting Equipment.—City of Kinston, N. C., W. B. Coleman, City Clk.—Will receive bids Sept. 1 for motor service ladder truck as follows: one motor service truck, long ladder to be 50 ft. extension with full assortment of ladders, 40 gal. chemical tank with 200 ft. chemical hose; full specifications of chassis and equipment required with prices, etc.

Furniture (Church).—Clayborne Phillips, Burgess Store, Va.—Wants prices on church pews, pulpit furniture and Sunday school chairs, for \$15,000 church building.

Generator (Engine) Set.—Wilson-Hock Co. (Mchy. Dealer) City Point, Va.—Wants 125 kw., 3 phase, 60 cycle, 220 volt engine generator unit; also several motors, motors of same voltage.

Generator Set.—City of Vernon, Tex., Harry Mason, Mayor.—Will receive bids Sept. 9 for: One 300-h.p. oil burning engine, directly connected to 2300-volt, 3-phase, 60-cycle alternator, with direct or belt-driven exciters and switchboards to control same; to be installed in city's plant on foundation furnished.

Heating Furnaces (Oil).—Consumers' Lumber & Supply Co., Meridian, Miss.—Wants heating furnaces using crude oil suitable for small residences and bungalows; correspond with manufacturers.

Heating System.—Clayborne Phillips, Burgess Store, Va.—Wants prices on heating system for \$15,000 church building.

Incinerator.—Alexander B. Dye, American Commercial Attache, 2 Francisco Madero, Mexico City, Mexico.—Wants prices and catalogs on refuse burning incinerator plant.

Insulation.—See Refrigeration Machinery, etc.

Laundry Equipment.—Earl Nettles, Tunnel Springs, Ala.—Wants names and addresses manufacturers laundry outfits, including washing machines, ironers, driers and other necessary equipment.

Locknuts.—Cofac Manufacturing Co., Inc., 110 West Berkley Ave., Norfolk, Va.—Wants locknuts, stamped steel, galvanized, with 1/2-in. pipe thread for conduit; wants prices from manufacturers in lots of 500,000 to 1,000,000.

Locomotive.—See Road Building Machinery.

Mattress Felt, etc.—C. C. Whitaker, Jr., Camden, S. C.—Wants data and prices on mattress felt and bedding stock.

Metal Match Box.—Wallace A. Smith, Clinton, N. C.—Wants to contract for the manufacture of patented metal match box, or machinery for making patented metal match box.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, Pur. Officer, Washington, D. C.—Will receive bids Sept. 12 to furnish concrete mixers, fire engines and extinguishers, rope, cable, wire, tubing, hose, asbestos wood, hectograph base, goggles, steel, copper, etc. Blank forms and information (Circular 1628) on application to offices of Panama Canal; Asst. Purchasing Agent, 24 State St., New York City; 601 Gravier St., New Orleans, and Fort Mason, San Francisco, Cal.; also from U. S. Engineers' Offices throughout country.

Miscellaneous Supplies.—Bureau of Supplies and Accounts, Navy Dept., Washington, D. C.—Will receive bids September 2 to deliver pig iron, steel tubing, metallic bismuth, microphone housings, rubber packings, terminal blocks, insulating, bushings and push buttons to Navy Yard, Washington.

Motors.—See Generator (Engine) Set.

Motors.—Wilson-Hock Co. (Mchy. Dealer), City Point, Va.—Wants one 40 H.P. 3 phase, 60 cycle, 220 volt, slip ring motor with starting equipment and one 40 H.P. 3 phase, 60 cycle, 2300 volt, slip ring motor with starting equipment.

Motors.—Roswell Mills, Inc., Roswell, Ga.—Wants the following 550-volt, 60-cycle, 3-phase motors, complete with slide rails, pulleys, primary switch and secondary drum controllers: Two 150-hp slip-ring, 600-rpm, pulley 21-in. diam, 20-in. face; one 100-hp slip-ring, 600-rpm, pulley 19 3/8-in. diam x 20-in. face; one 75-hp squirrel cage, 900-rpm, complete with compensator and auto starter, with overload relays and low voltage release, pulley 14-in. diam. x 14-in. face; one 15-hp. squirrel cage, 1200-rpm., complete with compensator and auto starter without pulley; one 25-hp. squirrel cage, 1200-rpm. complete with compensator and auto starter, pulley 10-in. diam. x 7-in. face; give full particulars, price, length of service and condition.

Ornamental Iron Work.—Walton Grey, Box 321, Tampa, Fla.—Wants iron stairs, balcony and newel and also spiral work for 3-story stairway.

Paint, Glass, etc.—U. S. Marine Corps, The Quartermaster, Navy Bldg., Washington, D. C.—Will receive bids September 3 for paints, glass, brushes, etc. Sch. 119.

Paving, etc.—Lubbock County, Lubbock,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tex.—Details under Construction News—Road and Street Construction.

Paving.—City of Macon, Ga.—Details under Construction News—Road and Street Construction.

Paving.—City of Sturgis, Ky.—Details under Construction News—Road and Street Construction.

Pipe.—J. P. Campbell Sand Co., 313 N. Spring St., Winston-Salem, N. C.—Wants 100 ft. to 600 ft. second-hand pipe.

Planer.—W. R. Kline, 4104 Fifth St., N. W. Washington, D. C.—Wants one planer, second-hand equipment.

Pipe.—See Boilers and Pipe.

Playground Equipment.—City Comsn., B. A. Reding, Purchasing Agent, Tampa, Fla.—Will receive bids Aug. 26 to purchase following playground equipment and supplies: 3 baby swings—3 outfits, 6 hammock and 6 chair seat swings, complete with fittings; 3 portable, 16 ft. straight slides with bed ways of galvanized sheet metal; one 8-ft. portable baby slide; two seesaw outfits; four horizontal bars; 8 portable jump standards; one 6 or 8 chain giant stride ladder three set basket-ball backboards of galvanized sheet metal, perforated, fastened to hardwood frames; six all steel basket-ball goals; three sets standard volley ball posts four 30 ft. flag staffs, galvanized pipe, with telescope joints and top ball castings and sheave pulley; six long link swings, roller bearing clamps; prices f.o.b. Tampa; information with Tampa Community Recreation Assn.

Poles (Electric Light)—Matthews S. Bradley, Pres. Chamber of Commerce, Georgetown, Ky.—Wants 16 electric single light poles, about 10 ft. high and octagonal; will consider variations if price is right; second-hand poles.

Pump (Centrifugal).—See Water Works Equipment.

Pump (Centrifugal).—J. P. Campbell Sand Co., 313 N. Spring St., Winston-Salem, N. C.—Wants second hand 6-in. or 8-in. centrifugal sand and gravel pump with connections.

Rails.—Carolina Dunntile Co., Kinston, N. C.—Wants prices on 12 lb. industrial rails in assembled sections, 24-in. gauge.

Rat Traps.—W. E. Brewer, care of The Louisville Hotel, 2403 N. Third Ave., Birmingham, Ala.—Wants rat traps, correspond with manufacturers.

Refrigeration Machinery, etc.—Fred C. Driver, 901½ Garrison Ave., Fort Smith, Ark.—Wants prices on insulation, machinery, coils, etc., for 20x20 cooler and 10x20 pre-cooler, walls 18 ft. high.

Road.—Spartanburg County, S. C.—Details under Construction News—Road and Street Construction.

Road.—Kanawha County, W. Va.—Details under Construction News—Road and Street Construction.

Road.—State Highway Dept., Jefferson City, Mo.—Will receive bids on 42 road projects. Details under Construction News—Road and Street Construction.

Road.—Bowie County, Boston, Tex.—Will build 2 roads. Details under Construction News—Road and Street Construction.

Road.—Town of Fremont, N. C.—Details under Construction News—Road and Street Construction.

Road.—Madison County Comms., Huntsville, Ala.—Details under Construction News—Road and Street Construction.

Road.—Wichita County, Texas.—Details under Construction News—Road and Street Construction.

Road Building Machinery.—C. Edward Shute, Sec., The Isle of Wight Land Co., Inc., Ocean City, Md.—Wants prices on new and second-hand equipment for road build-

ing; also desires to rent 8 miles of tramway together with locomotive.

Road Machinery, etc.—Marion County Comms., Ocala, Fla.—Will receive bids this week to furnish one four passenger enclosed car with generator unit starter and 12 volt storage battery; two 4 cylinder touring car chassis with planetary transmission fully equipped including starter, generator and storage battery; 240 lin. ft. of 15-in. and 500 lin. ft. of 18-in. corrugated metal pipe; one 40 h.p. oil engine to be complete with air starting equipment, belt driven pump for circulating water with necessary pipe, valves, and fittings; prices f. o. b. Dallas, Fla.

Sanitary Sewer Laterals.—City of Miami, Fla., H. E. Ross, Clk.—Will receive bids Sept. 2 for construction of sanitary sewer lateral connections under Sanitary Lateral improvements Nos. 1 and 2, Districts Sa. L. 1. and Sa. L. 2; work consists of furnishing approximately 9572 lin. ft. of 6-in. terra cotta laterals, 2631 lin. ft. 4-in. cast iron laterals, 12 only extra 8-in.x6-in. Y's, terra cotta; 58 only extra 6-in.x6-in. Y's, terra cotta; 8 only extra 4-in.x4-in. Y's, cast iron; Ernest Cotton, Director of Public Service.

Saw Mill.—W. R. Kline, 4104 Fifth St., N. W. Washington, D. C.—Wants saw mill, second-hand equipment.

Scales (Wagon).—Wilson-Hock Co. (Mch. Dealer), City Point, Va.—Wants one set pitless wagon scales 1½ to 2 ton capacity.

Screen, etc.—Treasury Dept., Supvg. Architect's Office, Washington, D. C.—Will receive bids September 9 to remodel postoffice screen, etc., in the U. S. Post Office at Wheeling, W. Va.

Screen (Revolving).—J. P. Campbell Sand Co., 313 N. Spring St., Winston-Salem, N. C.—Wants second hand revolving screen.

Seating.—Clayborne Phillips, Burgess Store, Va.—Wants prices on church pews and Sunday school chairs for \$15,000 church building.

Sewage Treatment Plant.—City of Waco, Tex.—Thomas P. Stone, Mayor, and Board of City Comms., Geo. D. Field, City, Sec.—Will receive bids Sept. 15 for sewage treatment plant:

Contract No. 1—Excavating, grading, levy concrete work, pipe lines, etc. and all general work not included in contracts Nos. 2 and 3.

Contract No. 2—Furnishing and placing filter gravel for sprinkling filter, also for sludge beds and grit chamber and all sand and gravel for concrete work.

Contract No. 3—Furnishing and installing pumps, motors, control apparatus, pumps and internal combustion engines. Separate tenders are required on equipment for each of 3 pumping stations.

Levy and fills, 50,000 cu. yds.; structural and trench excavation 12,000 cu. yds.; concrete, 4600 cu. yds.; filters, 2 acres requiring 25,000 cu. yds. crushed stone or gravel; 4 pumps, total capacity 13¼ M.G.D.; emergency pumps, totaling 12 to 23 M.G.D.; East Waco pumping station, 2 pumps of 300,000 G.P.D. and 600,000 G.P.D.

Plans and specifications from V. G. Koch, City Engr. or The Terrell Bartlett, Engrs., Inc., 612 Calcasieu Bldg., San Antonio.

Sewage Treatment Plant.—City of Bluefield W. Va., Clarence E. Ridley, Mgr., Coal & Coke Bldg.—Will receive bids Sept. 2 to construct sewage treatment plant; work includes sedimentation plant, 18x54x24-ft. sludge bed, chlorine house containing approximately 375 cu. yds. excavation, 175 cu. yds. concrete, 28,000 lbs. reinforcing steel 120 ft. 15-in. sewer and miscellaneous piping, etc.

Sewer Construction.—City of Corsicana, Tex., John Harper, Sec.—Will receive bids Sept. 2 to furnish all material not furnished by the city and equipment and labor for

constructing additional unit to present sewerage disposal plant; bids will be received on pipe and fitting separate from general contract; city to furnish these to contractors on the car; contractors bids to be for installation; approximate quantities are 800 cu. yds. concrete, 12,000 cu. yds. excavation, 35 tons cast iron pipe and fittings, 15,000 ft. tile pipe.

Sewer System.—City of El Campo, Tex., W. L. Ballew, Mayor.—Will open bids September 1 for construction of sanitary sewer system in South El Campo, following approximate quantities: 2000 lin. ft. of 8-in. sewer complete in trench 4 to 6 ft. deep; 945 lin. ft. of 8-in. sewer pipe complete in trench 6 to 8 ft. deep; 100 lin. ft. 6-in. sewer pipe complete in trench 4 to 6 ft. deep; 700 lin. ft. 6-in. sewer pipe complete in trench 0 to 4 ft. deep; 1095 lin. ft. 6-in. sewer pipe complete in trench 6 to 8 ft. deep; 6 manholes from 4 to 6 ft. deep; 3 manholes from 6 to 8 ft. deep; 2 manholes from 0 to 4 ft. deep; one septic tank 36.57 cu. yds., Class A, reinforced concrete; 900 lbs. ¾-in. twisted reinforced bars; twelve 8-in Y's; 52 6-in Y's; bids to be made on both salt glazed vitrified pipe and upon concrete pipe; B. D. King, County Engr., Wharton, Tex.

Sewers.—See Water Works and Sewers.

Sewers.—See Water Works and Sewers.

Silica Sand.—Carolina Dunntile Co., Kinston, N. C.—Wants prices on silica sand, (ground sand of the consistency of cement).

Stave Machinery.—W. R. Kline, 4104 Fifth St., N. W. Washington, D. C.—Wants one set of stave machinery; second-hand equipment.

Steam Heating System.—Utilities Comsn. of the City of Owatoma, Minn.—Will receive bids Sept. 16 to construct complete underground steam heating system in business district; Arthur L. Mullegren, Consult. Engr., 555 Gates Bldg., Kansas City, Mo.

Steel Tank.—Wilson-Hock Co. (Mch. Dealer) City Point, Va.—Wants 12,000 to 15,000 gal. capacity steel tank for fuel storage.

Touring Car Chassis, etc.—See Road Machinery, etc.

Track.—See Road Building Machinery.

Trailer Equipment.—Board of Purchase, City Hall, Savannah, Ga.—Will receive bids September 8 to furnish steel drop frame trailer equipment to take care of garbage collection and disposal for city.

Water Works.—City of Dawson, Ga., R. R. Jones, Clk.—Will receive bids September 17 for Supervising Engineer to superintend installation of iron pipe water mains; and for furnishing labor and material necessary for work.

Water and Electric Light Plant.—City of Shuqualak, Miss., M. L. Paterson, Mayor.—Will receive bids Sept. 4 to furnish material and construct water works and electric light plant: Installation includes furnishing cast iron and galvanized iron water mains, valves and hydrants, oil engine, pump, reservoir, elevated tank, and alternator, switchboard, and miscellaneous line materials; Henry A. Mentz, Engr., Magnolia, Miss.*

Water Works.—City of Cumby, Tex. Details under Construction News—Water Works.

Water Works Equipment.—A. I. Cottrill, Glenville, W. Va.—Wants prices on gas engine, 75 to 100 H.P. centrifugal pumps, chlorinator, etc. for water works plant of 500,000 gals. capacity.

Water Works and Sewers.—City of Clyde, N. C., Edwin Fincher, Mayor.—Will receive bids Sept. 11 to construct water works and sewer system; principal items are: furnishing approximately 140 tons cast iron pipe, laying 11,400 ft. water mains, building filter plant, 250,000 G. P. D.; furnishing two centrifugal pumping units, tower and tank, 50,000 gal. capacity; furnishing pipe for and

laying 3500 ft. sewer; The Ludlow Engrs., Winston-Salem, N. C.

Woodworking Machinery.—Brownlee Frix, 205 Carneal Bldg., Richmond, Va.—Wants machinery to manufacture cedar chests, including sander, jointer, etc.

Wood Pipe.—Sidney M. Carter, Ronda, N. C.—Wants 750 ft. of wood pipe, 14. 16 or 36-in. for hydro-electric power plant; can use second-hand equipment.

Financial News

New Financial Corporations

Ala., Birmingham—Sheppard-Sloss Investment Co., Inc., 2120 First Ave., N., chartered by A. Page Sloss, Everett Sheppard, R. H. Wharton.

Ark., Little Rock—Southern Trust Co. and American Trust Co. plan consolidating; A. B. Banks, Pres., Southern Trust Co.

D. C., Anacostia Sta., Washington—Anacostia Finance Corp., capital \$100,000, organized with Charles T. Clayton, Pres.; Howard Brady, Sec.

Fla., Delray—Ocean City Bank, capital \$25,000, incorporated by Roy Webb, Pres.; B. F. Sunday, Cashier.

Fla., Tampa—Tampa Mutual Building & Loan Assn., recently organized, has selected A. C. Clewis, Pres., and W. C. Greening, Sec. and Mgr.

Fla., West Palm Beach—South Florida Securities Co., capital \$25,000, incorporated with J. L. Wilkinson, Pres.; Gordon North, Sec.

Ga., Ashburn—Agricultural Credit Corporation with headquarters here will be organized by Turner County citizens, Dr. G. C. McKenzie, Chmn., and Col. E. A. Rogers, Sec.; \$25,000 capital, to loan money at 7% for purchase dairy cows and live stock; Federal Intermediate Credit Bank, J. D. Hall, Mgr., Columbia, interested.

Ga., Atlanta—Home Purchasers' Savings Assn. organized by James L. Logan, 120 Juniper St., and associates.

Ga., Macon—Adams Investment Co. increased capital \$10,000, changed name from Adams Cotton Mills.

Ga., Macon—Five counties were represented at recent meeting of Georgia Assn. for purpose of organizing an Agricultural Credit Corporation to co-operate with Federal Intermediate Credit Bank; Dr. W. G. Lee, T. R. Turner, J. A. Johnson interested.

Md., Rockville—Title & Investment Co. of Montgomery County organized, capital \$250,000, with Ernest L. Schmidt, Pres., Leonard L. Nicholson, Treas., and Albert M. Bouie, Rockville, General Counsel; will maintain offices here and at 1512 K St., N. W., Washington, D. C.

Md., Frederick—Community Discount Co., Inc., will be organized by James H. Gambrill, Jr., and others.

Mo., St. Louis—Cherokee Business Men's Assn., interested in organization Cherokee National Bank, \$200,000 capital and \$50,000 surplus; Dr. Emil A. Burst, Chairman, 1901 Cherokee St.

Mo., St. Louis—Lakewood Securities Co., capital \$500,000, incorporated by Phillip A. McDermott, International Life Bldg.; Alfred D. Ruth, 807 Chestnut St. and others.

N. C., Greensboro—Federal Mortgage Loan and Collection Co., capital \$100,000 incorporated by B. F. Touchstone, W. L. McMillin and H. W. Ingram, 714 Martin St.

N. C., Weaverville—Guy Weaver, Weaverville, and E. W. Wilson, of Blue Ridge Bldg. & Loan Assn., 3 Haywood St., Asheville, interested in organization of Building & Loan Association here.

S. C., Greenville—Industrial Profit Sharing Bank, David B. Traxler, Pres., and Adrian C. McManus, Sec. and Treas., 723 E. North St., has been organized with \$100,000 capital, and will open September 1.

Tenn., Chattanooga—Lookout Trust Corp., chartered by W. F. Wills, E. C. Seagle, Stephen R. Reddy.

Tex., Alto—Alex Thompson, 903 Branard St., Houston, purchased Alto State Bank and changed name to Guaranty State Bank of Alto.

Tex., Austin—Federal Loan & Discount Corporation, capital \$25,000, incorporated by J. C. Vernor, J. W. Vernor, E. S. Smith.

Tex., Dallas—Texas Cotton Growers Finance Corp., capital \$100,000, chartered by John F. Orr, T. M. Henry and C. M. Kilgore.

Tex., Houston—The Seaport National Bank of Houston will open Main Street and Prairie Ave. about September 1.

Va., Norfolk—Dobie & Bell, Inc., capital \$50,000, chartered with Louis T. Dobie, Pres.; Thom W. Henderson, Sec., National Bank of Commerce Bldg.

New Securities

Ala., Birmingham—Public Improvement and Library—City, L. E. Gray, Clk., will receive bids Sept. 16 for \$850,000 bonds, including \$200,000, 5½%, \$1000 denom. public improvement, \$640,000, 5%, \$1000 denom. public library, and \$10,000, 5%, \$1000 denom. public library.

Ala., Cullman—Water Works—Local investors have purchased \$35,000 6% bonds.

Ala., Dothan—Water Works—City, R. W. Lisenby, City Clk. will receive bids Sept. 8 for \$750,000 6 per cent bonds.

Ala., Gadsden—Public Improvement—City Council sold \$19,000 bonds to Ward-Sterne & Co. of Birmingham, at par, accrued interest and a premium of \$85.

Ala., Mobile—Electric—Alabama Public Service Comm., Montgomery, approved issuance and sale of \$65,000 par value, first mortgage 5% bonds for Mobile Electric Co.

Ala., Montgomery—Water Works—Alabama Water Co., Birmingham authorized by Public Service Commn. to sell \$125,000 bonds.

Ala., Montgomery—Seaport—State Docks Commission sold to Caldwell & Co., Nashville, Tenn.; Steiner Bros. of Birmingham and the Merchants' Bank of Mobile \$1,000,000 bonds at par and premium of \$28,500.

Ala., Selma—Paving—City, H. H. Stewart, Clerk, Wm. B. Hall, Mayor will sell \$45,000 6 per cent bonds.

Ark., Ashdown—Road—Little River County Road Dist. 7 has sold \$180,000 bonds at par to M. W. Elkins & Co., 217 W. 2d St., of Little Rock.

Ark., Van Buren—School—Alma District School Board sold \$10,000 bonds at 102.1 to Bank of Alma.

Fla., Avon Park—County School Board sold \$15,000 Lake Stearns grammar school bonds for \$15,121 and accrued interest.

Fla., Bartow—Road and Bridge—Board of County Commrs. called election for Sept. 5 for establishing a Special Road and Bridge District and issuing bonds totaling \$750,000; J. D. Raulerson, Clerk.

Fla., Bartow—Road and Bridge—Board of County Commrs. will sell \$106,000 bonds justly voted of Special Road and Bridge District Co. 2; J. D. Raulerson, Clerk.

Fla., Bartow—Polk County will receive bids August 30 for \$550,000 6% bonds; J. D. Raulerson, Clerk Board of Commrs.

Fla., Bradentown—School—Manatee County

School Board will sell \$20,000 Oneco bonds, recently voted.

Fla., Bradentown—School—Palmetto School Commrs., B. D. Gullett, County Supt., sold \$14,000 6% bonds to Stranahan, Harris and Otis of Toledo, Ohio, at premium of \$904 and accrued interest.

Fla., Clearwater—Road—Pinellas County Court, John N. Brown, Clk., will call election Sept. 16 to vote on following 6% bonds: Special Road and Bridge Dist. No. 4, \$400,000; Dist. No. 5, \$45,000; No. 6, \$198,000; No. 8, \$520,000.

Fla., Clearwater—Road—Pinellas County Court, John N. Brown, Clk., will receive bids Nov. 1 for \$630,000 Special Road and Bridge Dist. No. 3 bonds.

Fla., Deland—Sewers and Paving—Engineers are making plans and estimates for bond issue for improvements here.

Fla., De Funiak Springs—Street—Duncan Gillis, Town Clerk, will receive bids September 2 for \$5000 6% bonds.

Fla., Dunedin—Park Site and Improve ments—City sold \$25,000 6% bonds to J. R. Durrance, Tampa, Fla., at par and accrued interest.*

Fla., Eustis—City voted \$210,000 bonds: \$165,000 for streets, \$20,000 for liquidation debts, \$10,000 parks, \$15,000 athletic park; defeated proposed bonds for purchase of property upon which to erect new city hall.

Fla., Fort Lauderdale—Road—Fort Lauderdale Bank & Trust Co. has purchased \$100,000 6% bonds at 104.432.

Fla., Hillcrest Heights (P. O. Babson Park)—Street—Town, C. P. Seldon, Clerk, will receive bids September 2 for \$21,000 6% bonds.

Fla., Jacksonville—Paving—B. F. Cusick & Co., New York, have purchased \$214,000 bonds for \$222,346; Atlantic National Bank of Jacksonville has purchased \$32,000 bonds for the Jacksonville Traction Co.'s part in paving program at premium of \$982.

Fla., Lakeland—Judge John W. Edward has cancelled election for \$750,000 bonds.

Fla., Miami—Road, etc.—R. A. Coachman, County Commr., Dade County, advises concerning election August 19: "All items except Federal East Dixie Highway carried big majorities. Tamiami Trail surfacing to Monroe County line led ticket; total bonds authorized \$1,070,000."

Fla., Okeechobee—Improvement—City, I. W. Conley, Jr., Clk., will receive bids Sept. 27 for \$150,000 6% \$1000 denom. bonds; R. P. Fletcher, Clk.

has set September 30 to vote on \$190,000 bonds.

Fla., Pensacola—Road—Escambia Board of County Commrs. will sell \$750,000 bonds.

Fla., Sarasota—Road—Board of County Commrs. of Sarasota County will receive bids Sept. 5 for: \$39,000 bonds, Venice Byway; \$77,000 Venice-Englewood; \$13,000 Englewood-Myakka river road; \$30,000, Verna road; \$33,000 Lockwood Ridge road; \$16,000 Whitaker Bayou road; \$40,000 Bradentown road; \$15,000 Crescent Beach road; \$40,000 Siesta road.

Fla., St. Augustine—Bridge—City Plan Board has recommended submitting \$600,000 bonds to voters for bridge over Matanzas River. Address City Commn.

Fla., Sebring—Road—Board of County Commrs. of Highland County will receive bids September 8 for \$50,000 6% Special Road Dist. 1 bonds; Wm. King, Chmn.

Fla., South Jacksonville—Light, Water, Dock Fire Protection, etc.—City Council approved proposed municipal bond issue of 3375,000 to be voted upon Dec. 6.

Fla., Stuart—Paving, Indebtedness—City Council has called election Sept. 29 for \$55,000 bonds; \$30,000 for paving, \$25,000 for indebtedness.

Fla., Tampa—Water Works—City Commis-

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

sion sold \$500,000 bonds to Wright, Warlow & Co., State Bank Bldg., Orlando, for \$513,550.

Fla., Tampa—Water Works—Wm. R. Comp-ton Co., 14 Wall St., Guaranty Co. of New York, 140 Broadway, and Estabrook Co., all of New York, purchased \$500,000 5% bonds at premium of \$13,500.

Ga., Sharon—School—Trustees of Sharon School Dist. sold \$10,000 bonds to J. H. Hillsman & Co. at premium of \$350,000.

Ky., Ashland—Water Works—City Council submitted proposals to Mayor and Board of Aldermen for \$300,000 bond issue to be voted upon in November.

Ky., Georgetown—Bridge—Scott County, J. B. Ward, County Judge, will receive bids September 1 for \$85,000 5% bonds.

Ky., Lexington—Park—City Commrs. may authorize election on \$800,000 bonds for purchasing park sites.

Ky., Louisville—Grade Crossings—City will vote on November 4 on \$5,000,000 bonds for elimination of grade crossings; may also vote on \$750,000 park and \$5,000,000 bonds.

La., Baton Rouge—Road—East Baton Rouge Parish Police Jury defeated plan to create road district of 10 wards and to submit \$3,000,000 5% bonds to voters; will be reconsidered.

La., Baton Rouge—Road—East Baton Rouge Parish, Sub-District No. 3, Third Ward, voted \$20,000 bonds. Address Parish Police Jury.*

La., Beauregard—School—Beauregard Parish School Dist. 29, D. G. Lunsford, Sec. School Board, will receive bids September 6 for \$90,000 6% bonds.

La., Covington—School—St. Tammany Parish School Dist. 3 sold \$75,000 6% bonds to Sutherland, Barry & Co., Hibernia Bank Bldg., New Orleans.

La., DeRidder—Roads—Beauregard Parish Police Jury authorized election September 23 on \$110,000 bonds; bonds for the new road district composed of wards 2 and 3 known as Sabine Swamp bonds will be sold September 11.

La., Farmerville—Road—Union Parish Road Dist. 9 sold \$300,000 5½% bonds to Sutherland, Barry & Co., Inc., New Orleans.

La., Houma—Public Utility—Mayor and Board of Aldermen, J. A. Daspt, Mayor, will receive bids Sept. 10 for \$100,000 6% bonds.

La., Lake Charles—The Lake Charles Electric Co. has sold \$750,000 5½% bond issue, according to announcement of U. A. Bell, Pres.

La., New Orleans—Road—Jefferson Parish Police Jury will receive bids September 17 for \$500,000 bonds.

La., New Orleans—Drainage—Jefferson Parish sold \$1,500,000 bonds to L. E. French & Co. of Alexandria.

La., Oakdale—Road—Allen Parish Police Jury rejected bids for \$150,000 bonds of Ward 4.

La., Oberlin—Road—Police Jury sold \$150,000 6% Ward 4 road bonds to L. E. French & Co., Alexandria, and M. W. Elkins & Co., Little Rock, Ark., for par, accrued interest and premium of \$4525.

La., Oberlin—Public Improvements—Police Jury, Allen Parish, rejected bids for \$15,000 6% bonds; will receive new bids later.*

La., Thibodaux—Drainage—Board of Commrs. of Lafourche Drainage Dist. will receive bids Sept. 29 for \$175,000 5% \$500 denom. Lafourche-Terrebonne Drainage Dist. bonds; M. J. Palmer, Sec.-Treas. Lafourche-Terrebonne Drainage Dist., Shreveport, La.

Md., Baltimore—Public Improvements—City Council and Mayor Jackson propose ordinance submitting to voters in November

election \$20,500,000 public improvement bonds.*

Md., Cambridge—Road—Syndicate composed of Stein Bros. & Boyce and Mercantile Trust and Deposit Co. purchased \$20,000 4½% Dorchester County bonds at 101.71.

Md., Linthicum Heights—Sewer and Water—Public Service Commission of Maryland, Baltimore, granted Anne Arundel County Sanitary Commission, Annapolis, permission to issue \$25,000 5% bonds for improvements here.

Md., New Windsor—Street Improvement—J. Edward West, Clk. of Burgess and Commrs. of New Windsor, will receive bids Sept. 1 for \$21,000 4½% bonds.

Md., Rockville—County Commrs. have sold \$10,000 bonds for streets in Woodmont and \$4500 bonds for Alta Vista improvements.

Md., Rockville—School—Board of County Commrs., Berry E. Clark, Clerk, sold \$325,000 bonds to Hambleton & Co., 10 S. Calvert St., Baltimore, at 101.61 and accrued interest.

Md., Salisbury—Street—City Council sold \$25,000 4½% bonds to the Equitable Trust Co., Equitable Bldg., Calvert & Fayette Sts., Baltimore, at \$25,131.

Miss., Brookhaven—Bridge—Whitney Central Bank of New Orleans purchased \$65,000 bonds of Franklin County at par, accrued interest and a premium of \$235.

Miss., Jackson—State of Mississippi, Joseph W. Powers, Secretary of State, will receive bids August 30 for \$2,400,000 4¼% bonds.

Miss., Sumner—Road—Tippecanoe Lake Road Dist., Tallahatchie County, sold \$85,000 6% bonds to Whitney Central Bank, New Orleans, and Caldwell & Co., Caldwell Bldg., Nashville.

Miss., Sumner—Road—Glendora Separate Road Dist., Tallahatchie County, sold \$100,000 6% bonds to Whitney Central Bank, New Orleans, La., and Caldwell & Co., Nashville, Tenn.

Miss., Tupelo—School—Mentachie Consolidated School District, Itawamba County, voted \$10,000 bonds.

Miss., Waveland—Improvements—Board of Mayor and Aldermen will receive bids Sept. 2 for \$225,000 6% bonds; Wm. H. Ruhr, Sec.

Miss., Yazoo City—Board of Mayor and Aldermen plan issuing \$98,000 refunding bonds and have requested bids.

Missouri—State will vote November 4 on Proposition 5 to give State Highway Comsn. permission to issue remainder of \$60,000,000 road bonds in 1925, 1926 and 1927.

Mo., Jefferson City—West Missouri Power Co., Pleasant Hill, authorized by Public Service Comsn. to issue \$220,000, 7% accumulated preferred stock and \$870,000, 20-yr. first mortgage bonds at 6½%.

Mo., Lebanon—School—Lebanon School Dist. voted \$10,000 bonds.

Mo., Mexico—Missouri Power & Light Co., will sell \$1,200,000 certificates.

Mo., St. Louis—Subway—C. E. Smith, Const. Engr., Railway Exchange Bldg., will propose \$50,000,000 bond issue for downtown subway to Board of Aldermen, September 6.

Mo., Springfield—School—Board of Education will call special election on \$150,000 bonds to complete Pipkin Junior High School.

North Carolina—Proposal for issuance of \$8,500,000 bonds for port development and possibly operation of State-owned steamship line will be submitted to voters in November.

N. C., Benson—Street Improvement, Water, Sewer—Board of Commrs., Virginia Lee, Town Clk., will receive bids Sept. 4 for \$100,000 gold bonds, including \$90,000 street improvement, \$6000 water works extension and \$4000 sewerage extension.

N. C., Columbia—Drainage—Tyrrell County

Drainage Dist. 1 will receive bids Sept. 1 for \$4000 6 per cent bonds; C. H. Brickhouse, Sec.

N. C., Davidson—Water, Light and Street—Board of Commrs. will receive bids September 4 for \$50,000 bonds, bidders to state interest.

N. C., Elizabethtown—School—Bladen County, W. A. Ferguson, Clk., will receive bids Sept. 1 for \$12,500, 5½% Hollow Township School bonds and for \$20,000, 5½% Bladen County School bonds.

N. C., Ellerbe—Water and Sewer—Board of Commrs., Prince O'Brien, Clk., will receive bids Sept. 3 for \$75,000 6% bonds; \$50,000 water and \$25,000 sewer.

N. C., Fayetteville—Street—Bids will be received by H. J. McBuil, City Clk., for \$25,000 to \$50,000 bond anticipation notes; sale of street improvement bonds will be held Sept. 8.

N. C., Lexington—Water, Sewer and Streets—Town, Paul R. Raper, Clerk, plans to issue \$25,000 sewer bonds, \$50,000 water bonds and \$25,000 street improvement bonds.

N. C., Mt. Airy—School—City voted \$33,000 bonds.

N. C., Maxton—Street—Board of Commissioners, A. J. Steed, Clerk, will receive bids August 28 for \$40,000 bonds, bidder to name rate of interest not exceeding 6%.

N. C., Morganton—School—Board of Commissioners sold \$25,000 6% bonds to Stranahan, Harris & Oates, Inc., Toledo, Ohio, at 105.34.

N. C., Mount Gilead—Improvement—Board of Commrs., C. M. Capel, Clerk, will receive bids September 2 for \$25,000 6% bonds.

N. C., Pilot Mountain—Electric Light—Board of Commrs., W. M. Mathews, Clerk, will receive bids August 25 for \$18,000 bonds.

N. C., Red Springs—School—Red Springs School District sold \$75,000 6% bonds at \$78.250 and accrued interest to Drake, Jones & Co., Minneapolis, Minn.

N. C., Southport—Public Improvement—City Treas., J. G. Howe, will receive bids September 1 for \$39,000 5½% bonds.

N. C., Thomasville—Water Works—Board of Council will sell \$257,000 bonds.

N. C., Vass—School—The Hanchett Bond Co., Inc., Chicago, has purchased \$50,000 bonds at premium of \$1535.

N. C., Washington—Drainage—Board of Commrs., South Creek Drainage Dist., R. L. M. Bonner, Chmn., Box 447, will receive bids Sept. 5 for \$24,000 6% bonds.

N. C., Wilkesboro—Sewer—Board of Commissioners, Charles G. Gilreath, Mayor, will receive bids September 2 for \$16,000 6% bonds.

Okla., Bartlesville—School—Bartlesville School Dist., S. E. Thurman, Clerk, Board of Education, Washington County, will receive bids Sept. 8 for \$360,000 5% bonds.

Okla., Guthrie—Road—County Commrs., Logan County, Allen Walker, County Engr., will sell about Oct. 10 \$750,000 5% bonds.*

Okla., Hominy—The Taylor White Co., 18 W. Main St., Oklahoma City, has purchased \$70,000 bonds.

Okla., Oklahoma City—City will shortly call for bids for Exchange and Robinson Sts. paving; B. M. Hart, engr.

S. C., Walhalla—Neville Bros. have purchased \$23,000 6% bonds.

S. C., Kershaw—Sewer—Town, L. R. Blackmon, Clerk and Treasurer, will receive bids August 28 for \$30,000 6% bonds.

S. C., Spartanburg—R. B. Simms, Supt. of Water Company, suggests \$1,350,000 bond issue.

Tenn., Bolivar—Road—Hardeman County, Judge Prewett, sold \$50,000 bonds to I. B. Tigrett & Co., Jackson, Miss., at par, accrued interest and premium of \$1400.

Tenn., Bristol—Street—City Commissioners sold \$70,000 bonds to First National Bank of Bristol.

Tenn., Cleveland—Roads—Bradley County Court plans \$25,000 bond issue; W. L. Humphrey, County Judge.

Tenn., Clinton—Bridge—Anderson County Court is considering bond issue for bridge over New River.

Tenn., Dyersburg—Drainage—South Reeds Creek Drainage District of Dyer and Gibson Counties will sell \$16,500 6% bonds; L. L. Pace, Dyer County Court Clerk, N. L. Seabey, County Judge.

Tenn., Harriman—Street Improvement, Water and Light Department Extension Funding—City, H. P. Green, Treas., will receive bids Sept. 2 for \$140,000 5½% bonds, including \$95,000 street improvement and \$45,000 water and light department extension.

Tenn., Knoxville—Notes—City sold \$400,000 revenue refunding notes to Bankers Trust Co., 16 Wall St., New York, for par at 2.25% interest.

Tenn., Knoxville—City Council plans selling \$1,500,000 revenue refunding bonds.

Tex., Alice—School—School Trustees, Judge W. R. Perkins and others plan \$75,000 bond election.

Tex., Anderson—Road—Grimes County voted \$1,549,500 District No. 1 and 8 bonds; Quarles, Adams & Gaines, Engrs.

Tex., Austin—School—State Board of Education purchased 37 issues of school bonds aggregating \$147,900, including independent school districts and common school districts.

Tex., Bandera—Road—Bandera County Road Dist. 2 sold \$25,000 5½% bonds to W. K. Ewing Co., Houston Bldg., San Antonio, at 96.18.

Tex., Beaumont—School—City voted \$50,000 bonds. Address Pres. Board of Education.

Tex., Bryan—School—Millican School Dist. 3, E. J. McDonald, County School Supt., plans election on \$40,000 bonds.

Tex., Columbus—School—Columbus Independent School Dist. plans voting on \$75,000 bonds; Chas. Ramsey, Sec. of Board.

Tex., Corpus Christi—School—Board of Trustees of Corpus Christi Independent School Dist. have been authorized to issue \$125,000 bonds.

Tex., Crawford—Water Works—Mayor F. N. Broach and Comms. have sold to Garrett & Co., Dallas, at par plus accrued interest \$25,000 6% bonds.

Tex., Cumby—Water Works—W. C. Edmonds, Mayor, will sell \$40,000 bonds.

Tex., Dallas—Water, Fire Stations, Paving—University Park (S.M.U. Dallas) voted \$150,000 bonds, including \$75,000 water, \$50,000 street and \$25,000 fire station bonds.

Tex., Denton City—City, Geo. N. Rucker, City Sec., will receive bids August 29 for \$25,000 5% bonds.

Tex., Frisco—School—Voted \$22,000 bonds; address Pres. Board of Trustees, Frisco Independent School Dist.

Tex., Galveston—Paving and Water Works—City, Anne C. Kelley, Sec., Board of Comms., will receive bids Sept. 18 for \$300,000 paving and \$100,000 water works reservoir bonds.

Tex., Groveton—Road—Trinity County defeated \$50,000 bonds for work in Carlisle and Chita districts; Fred J. Berry, County Judge.

Tex., Huntsville—Road—H. C. Burke & Co., San Antonio have purchased \$200,000 5% Walker County bonds at par.

Tex., Refugio—Road—Refugio County voted \$150,000 bonds; will select engineer soon.

Tex., Rockwall—School—Rockwall Independent School District voted \$50,000 bonds.*

Tex., Rusk—Water Works—City voted \$65,000 bonds. Address The Mayor.

Tex., Texarkana—Drainage—Miller County Drainage Dist. 6 sold \$125,000 5% bonds to Stigel, Nicolaus & Co., Inc., Boatmen's Bank Bldg., and The Federal Commerce Trust Co., of St. Louis.

Tex., Trinity—School—J. A. Ramsey, Pres. School Board, will sell \$50,000 bonds recently voted.

Tex., Tyler—City voted \$150,000 bonds.*

Va., Alexandria—W. M. Rich, City Mgr., advises improvement bonds will be issued in spring of 1925.

Va., Fort Myer Heights—Arlington County, Judge Brent, will vote Oct. 1 on \$125,000 bonds for jail, fireproof record room, heating plant, etc.

Va., Staunton—Water—City, M. G. Haines, Clk., sold \$700,000 5% bonds to Robert Garrett & Sons and Mercantile Trust & Deposit Co., both Baltimore, Md., and Eldridge & Co., New York.*

W. Va., Charleston—Paving—State Sinking Fund Commn. sold \$100,000 Parkersburg bonds to Stranahan, Harris & Oates of Toledo, Ohio, at premium of \$3800; Houston G. Young, Sec.

W. Va., Charleston—Road—State Sinking Fund Commn. will receive bids August 28 for \$350,000 5½% bonds; Houston G. Young, Sec.

W. Va., Westover (Mail Morgantown)—Water and Sewer—City Council will set date for election on \$125,000 bonds.

Financial Notes

Greater Louisville Savings & Building Assn., 419 W. Market St., Louisville, Ky., increased capital from \$6,500,000 to \$7,000,000.

National Bank of Commerce, Asheville, N. C., increased capital from \$100,000 to \$150,000 and surplus from \$25,000 to \$45,000; Junius G. Adams, Pres.

The Alabama Mutual Bldg. & Loan Assn., 2122 First Ave., capital stock \$100,000, and headquarters in Birmingham, will open branch in Selma.

Boone County National Savings & Loan Assn., Columbia, Mo., increased capital from \$1,500,000 to \$2,000,000.

First National Co., Sarasota, Florida, will meet on Sept. 16 to vote on increasing capital from \$100,000 to \$300,000; C. B. Wilson, Pres.

Greater Louisville Savings & Building Assn., 419 W. Market St., Louisville, Ky., increased capital from \$6,500,000 to \$7,000,000.

Carolina Mortgage and Indemnity Co., Charlotte, will open branch offices in Charlotte; W. T. Burdette, Sales Representative for Macklenburg and Cabarrus Counties.

The Bourg State Bank & Trust Co. opened at Arceneaux Bldg. on Main St., Houma, La.; Dr. P. E. Parker, Pres. and Herman A. Cook, Cashier.

Lubbock State Bank of Lubbock, Tex., increased capital from \$100,000 to \$200,000.

Peoples Saving & Loan Assn., Blackwell, Okla., increased capital \$700,000 to \$1,500,000.

Cameron County Bank, LaFeria, Tex., increased capital from \$25,000 to \$35,000.

Commercial Bank of Metcalfe, Thomas County, Ga., plans increasing capital stock from \$25,000 to \$50,000 and to move principal office to Thomasville; J. W. Horne, Metcalfe.

The Mortgage Security Co. of America, 111 W. Freemason St., Norfolk, Va., will place \$1,500,000 at the disposal of home builders in Sarasota, Fla., according to announcement by Maahs Bros.

Trade Literature

Book on Painting and Enameling.

The Truscon Laboratories, Detroit, Mich., have just issued a 100-page book, entitled "Truscon Maintenance Data Book," on painting, varnishing and enameling, etc. It classifies maintenance as follows: exterior, interior, floor, basement and roof, so that any section of building may be conveniently referred to. The book is priced at \$3.00 per copy.

Investigation and Research.

The report of Engineering Foundation for the year ended February 14, 1924, the ninth year of its existence, has been published. Headquarters are in the Engineering Societies Building, 29 West 39th street, New York. In addition to a review of the activities of the Foundation, the report contains several special articles concerning research and investigation of various subjects. There is also a large report upon "The Fatigue of Metals" by H. F. Moore and T. M. Jasper, this being about a research at experiment station of the University of Illinois.

Belt Conveyor Catalog.

Brownhoist Belt Conveyor Catalog M-24 is described by the Brown Hoisting Machinery Co., Cleveland, Ohio, as being the most complete bulletin on belt conveyors ever issued by them and, as it contains so much information concerning good practice in belt conveyor design, it will prove a great help to anyone having a belt conveyor problem. Of particular interest with reference to belt conveyor installations is that section of the catalog devoted to the company's standardized conveyors. It is stated that with the information given it requires but a few minutes time to select from the tables a conveyor best suited to any particular job. The catalog is finely illustrated and there is a profusion of tabulated data. Copies are now ready to be distributed and they may be had on request from any of the company's offices.

Concrete and Nails to Build Bank Vaults.

The construction of concrete bank vaults is described in detail in a circular issued by the Portland Cement Association, 111 West Washington St., Chicago, Ill. It contains a suggested set of specifications for the concrete work and details of the walls for large and small bank vaults. Especially to be noted is the use of ten-penny nails—60 pounds of nails per bag of cement—which makes drilling a vault difficult for even the most experienced yegzmen. Numerous inquiries from bankers for data on the use of concrete in building money vaults led to the preparation of the specifications that are given, and they are based on a study of materials and details of construction which experience has shown will produce vaults that are fire safe and also reasonably burglar proof. This circular is representative of the service rendered without charge by the Association.

Portable Air Compressors.

Technical Data Sheet No. 114 of the Novo Engine Company, Lansing, Mich., describes and pictures the company's newest contribution to the industrial equipment field, this being the Novo EFH air compressor outfit with a displacement of 170 cubic feet of free air per minute. Two other sizes of 90 and 45 cubic feet displacement (known respectively as AFH and LFH) are also built, all being portable and equipped with steel or rubber-tired steel wheels. They are also enclosed in lock-up steel housing. The EFH outfit is a

(Continued on page 122.)

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Where KNOWLEDGE is Bliss and IGNORANCE is Folly

Ignorance *may* be bliss and it *may* be folly to be wise—in poetry—but *not in business*; for Ignorance is the greatest of all business evils; because it is blind business in action.

Successful business *knows*, from costly experience, that Ignorance is *anything but bliss*. And that the only connection *folly* has with *wisdom* is when business has been foolish enough not to be wiser *sooner*.

Nine out of ten infirmities and failures in business are directly traceable to barren Ignorance—ignorance of trade conditions, of costs, of markets, of simple organization, system, management, control. And, above all, *blind* ignorance of the presence of a new order of things in business today—the order of *exact knowledge based on dependable facts and figures*.

Ignorance is the bandage to the eyes, the chain to the feet, of Progress. Knowledge is the wings lifting business to Power and Profit.

A business that *knows itself* does not fail. A business that *guesses* and *gambles* never fails to fail. A lot of "pretty little words" perhaps, these paraphrased epigrams of great philosophers. Ignorance will claim they do not apply to business.

Knowledge *knows they do*.

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DAYTON
LOUISVILLE

DETROIT
GRAND RAPIDS
KALAMAZOO
PITTSBURGH
WHEELING
ERIE
CHICAGO
MILWAUKEE
MEMPHIS

MINNEAPOLIS
ST. PAUL
DAVENPORT
INDIANAPOLIS
ST. LOUIS
KANSAS CITY
OMAHA
DENVER
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heavy-duty but economically operated and efficient unit. It is self-contained, compact and very accessible. It is built on a rigid channel frame. The data sheet gives full particulars and specifications.

New Gasoline Shovel Described.

The Type O gasoline shovel manufactured by the Thew Shovel Company, Lorain, Ohio, is finely illustrated and described in Bulletin No. 271, which says: "In order to take advantage of past experience the Thew Shovel Company has built its gasoline machine of

proven units. These units are of the type accepted by all steam shovel manufacturers as the most simple and efficient. These units are combined with units which have proven successful over a period of twenty years in single motor electric shovels. Of course, in the assembling of these units many improvements were made, but the point is that all of the successful principles have been retained." The company has also issued a very interesting folder telling about the advantages of its machines in tunnel and other work. It is likewise illustrated.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Representation in Minnesota and the Dakotas.

P. H. Sackett, 3445 Hennepin avenue, Minneapolis, Minn., has been selected by Pawling & Harnischfeger Company of Milwaukee, Wis., to represent them in Minnesota, North and South Dakota.

Contract Let for Engine.

Jackson Brothers Lumber Company of Salisbury, Md., has awarded a contract to the Hardie-Tynes Manufacturing Company of Birmingham, Ala., for a 1200-horsepower, heavy-duty Corliss engine for its mill at Fayetteville, N. C.

Link-Belt Will Supply New Car Dumper.

The Sloss-Sheffield Company of Birmingham, Ala., recently placed an order with the Link-Belt Company of Chicago for a gondola car dumper to handle coal cars of up to 100 tons capacity at the rate of twenty an hour. The dumper is distinctive in that only a 19-horsepower motor and one man is required for its operation.

Plan Machine Tool Exhibit at New Haven.

More than 120 manufacturers are expected to exhibit machine tools and manufacturing equipment at the Machine-Tool Exhibition to be held September 15 to 18 at New Haven, Conn. It is non-commercial, being run under the joint auspices of Yale University, the New Haven Section of the American Society of Mechanical Engineers and the New Haven Chamber of Commerce.

The sales managers of the National Machine Tool Builders' Association will hold a special meeting in connection with the exhibit and important technical papers will be presented by prominent engineers.

Distributors Appointed.

The Holt Manufacturing Company, Inc., Peoria, Ill., manufacturers of Caterpillar tractors, combined harvesters, plows, etc., has appointed the Holt Texas Equipment Company, Inc., 217-221 South Market street, Dallas, Tex., as the distributors for its tractors in Texas. They are located in the building previously occupied by the former distributors, the Holt Company of Texas, Inc. The president of the organization at Dallas is R. S. Lowe, and associated with him are a number of salesmen who for a considerable time have been connected with the previous distributors. Both officers and salesmen have had long experience in the sale of tractive and other road machinery in Texas and are widely known. Complete stocks of tractors and service parts are carried in Dallas and at other points in the state.

Southern Office Opened.

The William Cramp & Sons Ship and Engine Building Company of Philadelphia and the Pelton Water Wheel Company of San Francisco and New York have opened a Southern office in the American Trust Building, Birmingham, Ala., with Quin W. Stuart as district engineer, representing J. P. Morris hydraulic turbines, Pelton water wheels, Johnson hydraulic valves, also spiral pumps, butterfly valves and steel and bronze castings.

Heavy Castings Foundry Added.

The Pawling & Harnischfeger Co. of Milwaukee, Wis., has recently added a large foundry devoted entirely to production of heavy steel castings required for its machines, with a capacity of 400 tons when operating two shifts. A 10-ton electric, acid-lined furnace serves the foundry, which is completely equipped. A pattern shop and carpenter shop, pattern storage shed, chemical and physical laboratory are part of the plant. In the production of its varied line of equipment the company now has full control of the process from "pig iron to finished machine."

Power Shovel Surmounts Difficulties in Travelling.

The Virginia State Highway Commission recently made a rather remarkable demonstration of the value of crawler type high-horsepower shovels in surmounting difficulties in travelling. A Northwest Gasoline Convertible shovel made by the Northwest Engineering Co., Green Bay, Wis., was transported under its own power from Staunton to West Virginia, at the top of the Shenandoah Mountains, a distance of 28.5 miles, in 35 hours' travelling time. At one point where a weak bridge was encountered it was necessary to cross through the river and then climb a steep mud bank, and again it was necessary to travel down a river four feet deep for a distance of 600 feet.

Warm Air Heating and Ventilation.

The Hammond Heating Company, Inc., Cincinnati, Ohio, recently was awarded the contract for removing other furnaces and installing their fan-furnace system of warm-air heating and ventilation in seven schools in Montgomery, Ala. These are only part of a number of school buildings in different parts of the country in which this company have recently installed their warm-air furnace system. It has been installed in some buildings three stories high and 300 feet long and, the company reports, with the very best results in heating and economy in operation. In such buildings the air, it is stated, is changed every ten minutes, this keeping it in proper condition for the pupils, ventilation being as important as heating.

Another Paint Product.

The Joseph Dixon Crucible Company, Jersey City, N. J., manufacturer of Dixon's Silica graphite paint, has put on the market another paint product known as Dixon's red lead-graphite primer. For over a year this has been subjected to tests under usual conditions by practical painters and, it is claimed, was found to meet the most rigid requirements. The pigment of this primer consists of flake silica graphite, red lead and high-grade oxide of iron. The vehicle is the best boiled linseed oil obtainable. The primer will dry perfectly, it is stated, in twenty-two hours under normal conditions. It will cover about 400 square feet to the gallon on metal surfaces. It will not chip or scale off. Its cost is much less than usual. It is put up in five and ten gallon containers, half barrels and barrels.

Contract for \$3,000,000 Hollywood Hotel.

The Foundation Company, 120 Liberty St., New York, has signed a contract for the construction of the new Hollywood-California Hotel at the motion picture city, Hollywood, Cal. The hotel is to cost about \$3,000,000 and the Foundation Company as general contractor is beginning work immediately with a view to completing the contract within a year. This new hotel, which will be owned by the Hollywood-California Hotel Corporation, will be unique in form; it is to be shaped like a letter X and all its rooms will have outside exposure. It will be built in the center of a park-like lot of 3½ acres on Hollywood boulevard and will have a tall central tower, from the top of which a fine view can be had of the city, mountains and the ocean. There will be cooking facilities in all apartments, iceless refrigerators, circulating ice water, sanitary refuse disposal facilities, central heating in winter and central cooling in summer. It is estimated that 75 per cent of the guests will be permanent.

Large Induction Type Furnace Installed.

A six-ton horizontal ring-type induction steel melting furnace, declared to be the largest of its kind in this country, has recently been placed in successful operation by the General Electric Company at the plant of the Allegheny Steel Company, Brackenridge, Pa. This unit operates on the principle of a transformer, the secondary circuit of which is the metallic bath or furnace charge.

The furnace is rated 800 kilowatts at 2200 volts, single phase, 8.5 cycles, with a hearth capacity of 12,000 pounds. Suitable refractory lining material is provided in the form of "Furnite," a composition of calcined and electrically-fused magnesite developed by General Electric. The furnace has four doors, one of which is used exclusively in pouring and the other three for charging and inspection of the hearth. Conventional motor-driven tilting mechanism of the rocker type is provided.

Power is supplied at 25,000 volts, 60 cycles, 3 phase. This is first stepped down to 2200 volts and is then converted into 2200-volt, 8.5-cycle, single-phase power by means of a motor generator. A motor-driven blower supplies cooling air to the furnace winding.

The average time necessary for melting, refining and alloying a charge of 7000 pounds of steel scrap is four hours, with a total overall energy consumption of about 800 kw. hr. per ton. The furnace is operated by one melter and two helpers in 8-hour shifts, the operation being continuous.

One of the desirable features claimed for this unit is a high-grade product of extreme uniformity, resulting from the ease of metallurgical control and the cleansing and stirring action caused by the electro-magnetic forces in the metal bath.

Where Miller Bonds Are Made



Miller First Mortgage Bonds have recently been issued against income-earning structures in the following cities:

New York	St. Louis
Atlanta	Raleigh
Kansas City	Dallas
Birmingham	Miami
Philadelphia	Tampa

The territory in which these cities are embraced includes the finest investment fields in the country—the stabilized, industrial East, the growing Middle West, the remarkably pros-

perous South and Southwest. In such a territory, any investor can find a location for first mortgage security that answers his every demand.

The Map Tells The Story

The map above shows the location of Miller sales offices and sales representatives, and some of the cities where we have financed new structures. The steady expansion of our organization into new territory has been made possible through our work in the South and the remarkable favor which investors throughout the country have bestowed upon our Southern first mortgage bonds.

For descriptive circular of a recent 7% Miller Bond issue, mail the coupon today.

G. L. MILLER & CO.

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Municipal Bonds

Inquiries invited from municipalities and contractors. We buy city, county, district, school, road, lighting, water works and other municipal issues.

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HAVE YOU BONDS FOR SALE?

WE BUY ALL CLASSES OF MUNICIPAL BONDS,
INCLUDING CITY, COUNTY, SCHOOL,
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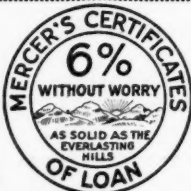
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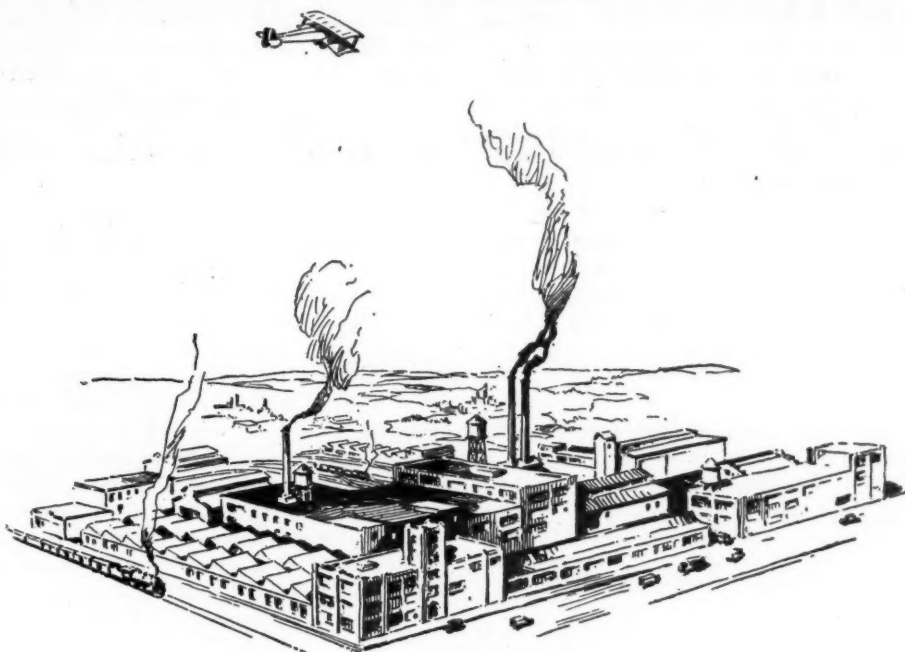
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"Where is such and such a machine?"
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Values are shown for the complete plant, for each building, for each type of property, for each insurance risk, each department, each plant account, or any other segregation desired.

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INVESTIGATIONS VALUATIONS, REPORTS — INDUSTRIALS, PUBLIC UTILITIES, NATURAL RESOURCES



An American Appraisal

THE AUTHORITY

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Fighting Boll Weevil by Airplane in Texas.

San Antonio, Texas, August 22—[Special.]—Fighting insect pests by means of airplanes brought good results in southern Texas this season, according to farmers who tried the experiment. More than five thousand acres of cotton were dusted with poison from the air and the boll weevils eradicated from the plants, it is asserted. In the work which is now practically finished two airplanes, furnished by the San Antonio Air and Motor Schools, were used.

E. C. Hammond, who directed the operations of the airplanes in dusting poison over the cotton fields, said that next year he would have between 20 and 30 planes equipped for dusting at the opening of the boll-weevil season. This year the dusting has been confined to farms in the vicinity of Sinton, Edroy, Odem and Taft, but next year it is predicted the airplane duster will be used in all the cotton-growing states.

"The dusting from airplanes has enabled farmers who employed that method to raise their production to half a bale per acre," Mr. Hammond said. "Fields were dusted at intervals of one week apart. The dusting was done for the farmer at an average cost of \$1 per acre. He furnished his own poison and the San Antonio Air and Motor Schools furnished plane and pilot for 30 cents an acre. One plane can cover 200 acres an hour.

"Dusting by air has a four-fold advantage over dusting by ground machinery. In the first place, a plane can fly over the fields immediately after a rain. That is the most advantageous time to dust, as the boll weevil is just beginning to get in his work at such a time, yet it is the very time that ground machinery cannot be taken into the fields.

"A second advantage is that the airplane does not touch the cotton plants, and consequently does not break off bolls and squares that would be knocked off in ground dusting. This advantage alone, it is claimed, saves the farmer enough to pay the cost of dusting.

"The third advantage is a mechanical by-product resulting from the use of airplanes. The cotton plants carry a negative electricity charge. A positive charge is in the air. The rapidity with which the dust is shot through the air enables the grains to retain positive charges that are in the air, and when settling on cotton leaves cause them to stick, due to the presence of the negative charge in the plant.

"A fourth advantage is that dusting by airplane can be done much more rapidly and with no increased overhead cost to the farmer."

New Company to Aid Galveston Industries.

Galveston, Tex.—At a recent meeting of the board of directors and advisory board of the Chamber of Commerce plans were endorsed for raising \$100,000 for the purpose of organizing a company to be operated as an adjunct to the chamber to aid in financing industries here. According to A. L. Perkins, chairman of the industrial development committee of the Chamber of Commerce, the project has been approved by the Galveston Clearing-House Association. The plan is the result of the committee's investigation of similar plans which are said to have operated beneficially in other cities.

DuPont Company Acquires Powder Plant in Missouri.

Carl Junction, Mo.—The powder plant here formerly owned by the General Explosives Co. of Chicago has recently been acquired by the E. I. duPont de Nemours & Co. of Wilmington, Del. It is the purpose of the duPont Company to put the property in first-class condition, handling all necessary work with its own engineering department.

St. Louis Considering \$50,000,000 Subway.

St. Louis, Mo.—City officials of St. Louis are considering the construction of a subway in the downtown section and a bond issue of \$50,000,000 will be recommended by C. E. Smith, consulting engineer of the city, when the Board of Aldermen reconvenes on September 26. Provision for a survey preparatory to beginning construction will be made by an appropriation of \$25,000, for which a companion ordinance will also be recommended.

Tentative plans for the subway call for an underground station to be located at 18th and Olive streets, from which a tube would run under Olive to 3d street, looping at the levee. A subway loop would be constructed from 18th down Market street, over 3d street and up Washington avenue, while a third tube would handle crosstown traffic running under Broadway. A feature of the plan would include a tube for railroads serving suburban communities, beginning at 18th street and running to a downtown station at 8th and Market streets. Another unit provides for an elevated system running from 18th street west.

Ordinance for the proposed bond issue will be drawn following a special trip which the special transportation committee of the Board of Aldermen will make to a number of cities where underground transit may be studied. This committee will start about September 1, and will be accompanied by Mr. Smith and E. R. Kinsey, president of the Board of Public Service.

Plan to Develop Pinto Canyon as State Park.

Writing the MANUFACTURERS RECORD relative to plans for developing Pinto Canyon in Texas for a state park, Hobart Kay of Marshall, Tex., member of the Texas State Parks Board, states that the matter is now in its initial stage and that plans have not fully matured. Two tracts of 320 acres each have been presented the state for park purposes, but the board hopes to secure the entire canyon, including the hot springs near Ruidoso.

The state, it is said, has no funds available for purchasing park properties, but a plan has been presented by N. C. Casner of Marfa, Tex., which is considered practicable, by which the desired area may be secured. Subsequent development of the park will include the construction of roads, trails and other accommodations.

Further Details of Lake Charles' Utilities.

Relative to the operation of the Lake Charles Electric Co., Inc., recently reported in the MANUFACTURERS RECORD as having acquired a number of utilities at Lake Charles, La., at a cost of about \$1,000,000, Joseph Bowes, manager of the company gives additional details, advising that the company has taken over the properties of the Lake Charles Railway, Light & Water Works Co.; Lake Charles Gas Co., Inc., and the City Delivery Co., Ltd.

The new company is at present installing additions to the water main system in Lake Charles and will probably make addition to the water system in the way of a filtration plant, settling basin, storage reservoirs, etc. It also expects to make additions to the gas-storage department.

To Expend \$600,000 for St. Louis Development.

St. Louis, Mo.—A tract of land here with a frontage of 3000 feet, a portion of the estate of the late Otto F. Stifel, has been purchased by the Granite Mortgage Co. of St. Louis, which plans to expend \$600,000 in improvements. The property is conveniently located in a section served by four car lines and in which there are several industrial plants. Several builders are said to be negotiating for the construction of single and double flats.



The County Commissioner says ~

"I've got confidence in the contractor
who uses KOPPEL EQUIPMENT"—



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It takes good tools to do good work—and good
equipment to make good roads—

KOPPEL Cars, Trucks and Batch Boxes are de-
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studying contractors needs—the material and
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K O P P E L



BOND ISSUES

PROPOSALS

BUILDINGS

PAVING

GOOD ROADS



Bids close September 8, 1924.

U. S. ENGINEER OFFICE, Jacksonville, Fla.—Sealed proposals for the construction of two Motor Dredge Tenders will be received here until 12 o'clock noon, September 8, 1924, and then opened. Further information on application.

Bids close September 9, 1924.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., August 19, 1924. SEALED PROPOSALS will be opened at 3 P. M. September 9, 1924, for remodeling Postoffice screen, etc., in the United States Postoffice at Wheeling, W. Va. Drawings and specifications may be obtained from the Custodian of the building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

Bids close September 2, 1924.

SEALED PROPOSALS, indorsed "Proposals for Hospital Construction, Oteen, N. C." will be received by the U. S. Veterans' Bureau, Room 791, Arlington Building, Washington, D. C., until 11 A. M. September 2, 1924, and then there publicly opened for the construction complete of a Septic Tank with frame superstructure, sludge bed and the various connections and changes in the existing water and sewage systems at the U. S. Veterans' Hospital No. 60, Oteen, N. C., as indicated on plans and described in the specifications. This work will include excavating, concrete work, carpentry, prepared roofing, hardware, painting, glazing, screening and plumbing. Proposals will be considered only from bidders organized and equipped for expeditious work and who have established a satisfactory record on work of similar character at the discretion of the

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE 4 P. M., Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE

MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Director. Plans and specifications may be obtained upon application to the Construction Division, U. S. Veterans' Bureau, Room 791, Arlington Building, Washington, D. C., or to the Medical Officer in Charge, U. S. Veterans' Hospital No. 60, Oteen, N. C., upon deposit of check or postal money order for \$10.00 payable to the TREASURER OF THE UNITED STATES, to guarantee their return within ten days after date of opening proposals. FRANK T. HINES, Director, Aug. 2, 1924.

Bids close September 8, 1924.

\$80,000 6% Water Bonds

Mt. Holly, N. C.
\$80,000, 6%, maturing serially to 1964.
Sealed proposals opened September 8, 1924,
2 P. M. For information address
J. W. HOLLAND, Treas.

Sale of \$4000 6% School Bonds

Perry, Fla.
Four Thousand (\$4,000.00) Dollars worth of Special Tax School District Bonds, maturing in twenty years and bearing interest at the rate of six (6) per cent. Inquiries concerning this issue cheerfully answered.

W. T. CASH,
County Supt. of Public Instruction of Taylor County, Florida, and Secretary of the Board of Public Instruction of said County.

Bids close September 8, 1924.

\$50,000 6% Road Bonds

Sebring, Fla.
The Board of County Commissioners of Highlands County, Florida, will receive bids at their Board Room in Sebring, Florida, on September 8, 1924, at 11 A. M. for bonds of Special Road District No. 1 in the sum of \$50,000.

Said bonds to draw interest at the rate of 6 per cent per annum, payable semi-annually, first interest to be due January 1, 1925, and are as follows:

\$5000 due January 1, 1927.
\$5000 due January 1, 1928.
\$5000 due January 1, 1929.
\$5000 due January 1, 1930.
\$5000 due January 1, 1931.
\$5000 due January 1, 1932.
\$5000 due January 1, 1933.
\$7500 due January 1, 1934.
\$7500 due January 1, 1935.

A deposit of 2 per cent required with each bid.

WILLIAM KING, Chairman.

Bids close September 8, 1924.

\$750,000 6% Water Works Plant Bonds

Dothan, Ala.

The City Council of the City of Dothan, Alabama, will receive sealed bids until 8 o'clock Monday night, September 8, 1924, at the Council Chamber at Dothan, Alabama, for the sale of additional Water Works Plant Bonds in the aggregate sum of seven hundred and fifty thousand (\$750,000) dollars in the denominations of one thousand (\$1000) dollars each, to bear interest at the rate of six per centum (6%) per annum, payable semi-annually on the first day of March and September of each year, to be dated September 1, 1924, and to become due and payable twenty years from the date of their issuance, for the purpose of providing, constructing and completing a Water Works Plant at or near what is known as Chalker Bluff, on the Choctawhatchee River, in Geneva County, Alabama.

A deposit or bond in the sum of five thousand (\$5000) dollars is required to accompany each bid. The City Council of the City of Dothan, Alabama, reserves the right to reject any and all bids not satisfactory.

This, the 19th day of August, 1924.

R. W. LISENBY, City Clerk.

Bids close September 27, 1924.

\$150,000 6% Improvement Bonds

Okeechobee, Florida.

Sealed bids addressed to the Mayor and City Council of Okeechobee, Okeechobee, Fla., will be received until 2 P. M. September 27, 1924, at Okeechobee, Fla., for the sale and purchase of Municipal Improvement Bonds of the City of Okeechobee, Fla., in the aggregate sum of \$150,000, bearing interest at the rate of six per cent (6%), payable semi-annually, said bonds to be in denominations of \$1000 each. Said bonds will be dated August 1, 1924, and will be due and payable as follows:

\$15,000 on August 1, 1944, and \$15,000 on August 1 of each and every year thereafter up to and including August 1, 1953.

These bonds will be issued under and in accordance with Chapter 8318, Laws of Florida, Acts of 1919, and Chapter 9855, Laws of Florida, Acts of 1923, and for the purpose of paying the cost of certain improvements in the City of Okeechobee, Fla.

Approving legal opinion of Caldwell and Raymond of New York City will be furnished without charge.

The right is reserved to reject any or all bids.

T. W. CONELY, JR., Mayor.
R. P. FLETCHER, Clerk.

Bridges

Harrisonburg, La.

The Police Jury of Catahoula Parish, La., invites tenders for the construction and operation of a Toll Bridge across the Ouachita River at Harrisonburg, La., and across French Fork on Little River at Smith's Store.

Both bridges to be on recognized State Highways.

For further information address

H. M. KRAUSE, President,
Sicily Island, La.

Bids close September 6, 1924.

Highway Construction

OFFICE OF COUNTY COMMISSIONERS.
Sarasota, Fla., August 13, 1924.

Sealed proposals for the construction and the furnishing of labor, materials and equipment to improve or construct 43 miles of highway, divided into 8 projects in Sarasota County, Florida, will be received at the Office of the County Commissioners until 10 o'clock A. M. on the 6th day of September, 1924, and publicly opened.

A certified check in the sum of \$1000, made payable to the Chairman of the Board of County Commissioners of Sarasota County, must accompany each bid for each project.

Plans and specification, blank forms for bids, contracts and bonds and all other needed information are to be had from the County Engineer, Sarasota, Florida, on the payment of five dollars a set.

The right is reserved to reject any or all bids.

CHARLES G. BENSON,
County Engineer.

Bids close September 2, 1924.

Highway Construction and Jetty

DEPARTMENT OF PUBLIC WORKS.

STATE OF MARYLAND

STATE ROADS COMMISSION

NOTICE TO CONTRACTORS

Baltimore, Md.

Sealed proposals for building six sections of State highway as follows:

Washington County—Cont. W-33. One section of State highway from the National Pike one mile west of Boonsboro to Millpoint, a distance of 1.5 miles. (Macadam resurfacing.)

Carroll County—Cont. Cl. 54. One section of State highway from Mexico to Brummel, for a distance of 1.0 mile. (Concrete.)

Howard County—Cont. Ho-50. One section of State highway from Scaggsville to Fulton, a distance of 1.0 mile. (Gravel.)

Prince George County—Cont. P-48. One section of State highway along the Crain Highway from end of Cont. P-41 to T. B., a distance of 6.34 miles. (Concrete.)

Wicomico County—Cont. Wi-26. One section of State highway from end of Cont. Wi-21 toward Snow Hill, for a distance of 1.14 miles. (Concrete.)

Worcester County—Cont. Wo-33. For the construction of a timber jetty at the entrance of the Sinepuxent Bay two miles south of Ocean City.

will be received by the State Roads Commission at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 2d day of September, 1924, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of five hundred (\$500) dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 13th day of August, 1924.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close September 2, 1924.

Street Paving, Curb and Gutters

Sealed proposals will be received until 4 o'clock P. M. Tuesday, September 2, 1924, at the office of the City Clerk, City Hall, Sturgis, Ky., for the construction of the following:

Street Paving of Concrete, Rock Asphalt

or Brick, 18,000 sq. yds.

Concrete Curb, 7300 lin. ft.

Concrete Gutters, 8850 lin. ft.

Manholes, 9.

Street Intakes, 28.

Certified check for 2% of bid to accompany proposal; payment for work will be made on the ten-year payment plan. The right is reserved to reject any and all bids. Plans and specifications will be furnished upon payment of \$5.00, which will be refunded upon return of same.

CHAS. PRITCHET.

City Clerk, City Hall, Sturgis, Ky.

Bids close September 17, 1924.

Notice to Engineers, Contractors and Dealers

The City of Dawson will receive bids on September 17, 1924.

First—For supervising engineer to superintend the installation of Iron Pipe Water Mains in the City of Dawson.

Second—For the furnishing of the material necessary to do the work.

Third—For the furnishing of the labor necessary to do the work.

Fourth—For the furnishing of both labor and material necessary to do the work.

Plans and specifications showing the quantity and quality of material necessary to do the work may be had upon making application for same to

R. R. JONES,

Clerk City Council, Dawson, Ga.

Bids close September 4, 1924.

Street Improvements and Storm Sewers

Mobile, Ala.

Sealed bids will be received by the Board of City Commissioners of the city of Mobile, Alabama, until Thursday, September 4, at noon, for the following:

STREET PAVING AND CURBING.
Approximately 26,300 square yards of Warrenite Bitulithic or Sheet Asphalt.
Approximately 11,400 linear feet of one-course Concrete Curbing.

STORM SEWERS.

6-inch pipe.....5000 ft.

10-inch pipe.....2200 ft.

12-inch pipe.....1200 ft.

15-inch pipe.....1400 ft.

18-inch pipe.....2300 ft.

20-inch pipe.....900 ft.

24-inch pipe.....600 ft.

Manholes.....20

Inlets.....65

Special Basins.....80

Plans, profiles and specifications can be seen at the City Engineer's office. A deposit of \$1000 will be required to accompany each bid. The right is reserved to reject any or all bids.

GEO. E. CRAWFORD,

Commissioner of Streets.

WRIGHT SMITH,

City Engineer.

Bids close September 8, 1924.

Water Works Improvements

Fulford, Florida.

Sealed proposals for the construction of a water-softening plant and other waterworks improvements, embracing concrete reservoirs, piers for a 100,000-gallon elevated steel tank, cast-iron piping, air compressor, dry chemical feed mechanism and other appurtenances will be received by the Sunny Isles Water Company at the offices of its Secretary, Mr. S. M. Tatum, No. 200 East Flagler street, Miami, Fla., until September 8, 1924. Plans and specifications may be seen at the offices of Tatum Bros., of the Golden Beach Corporation, 235 East Flagler street, Miami; of Mr. R. E. McDonald, Fulford, or of the Engineers, Main Engineering Company, 14 Baker street, Daytona, Fla., from whom the complete documents are procurable upon a deposit of \$10, or the written documents only for \$5.00, one-half of which deposits are refundable.

SUNNY ISLES WATER COMPANY.

HARVEY B. GRAVES, President.

S. M. TATUM, Secretary.

GEO. A. MAIN, Consulting Engineer.

Bids close September 11, 1924.

Water Works and Sewers

Clyde, N. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the Town of Clyde, North Carolina, until 10 o'clock A. M. September 11, 1924, and then publicly opened and read, for the construction of water works and sewers.

The principal items of work are:
Furnishing approximately 140 tons of cast-iron pipe.

Laying 11,400 feet water mains.

Building filter plant, 250,000 G. P. D.

Furnishing two (2) centrifugal pumping units.

Tower and tank, 50,000 gallons.

Furnishing pipe for and laying 3500 feet sewers.

Plans may be seen at the office of the Ludlow Engineers, Winston-Salem, N. C., or at the office of the Town Clerk, Clyde, N. C., after August 25, 1924. Copies of the specifications and contract may be obtained from the Town Clerk and from the Engineers.

For the convenience of prospective bidders the Engineers will furnish full set of blueprint copies of the plans upon application, accompanied by check for \$7.50 to cover the cost of the plans.

Each bid must be accompanied by certified check, payable to the Treasurer of the Town of Clyde, N. C., or by bid bond, in the sum of approximately 5% of the amount of the bid.

The right is reserved to accept any bid, to reject any or all bids, and to make the award as the best interests of the town may appear.

EDWIN FINCHER, Mayor.

HORACE SENTELLE, Town Clerk.

THE LUDLOW ENGINEERS,

Winston-Salem, N. C.

Bids close September 18, 1924.

Addition to High School

Birmingham, Ala.

Sealed proposals will be received by the Board of Education of Birmingham, Ala., on or before 12 o'clock noon Thursday, September 18, 1924, for the erection and completion of an addition to the Woodlawn High School in Birmingham, Ala.

Bids are solicited on the following divisions of the work:

GENERAL WORK.
HEATING AND VENTILATING.
PLUMBING.
ELECTRIC WORK.

Plans and specifications for the above work are on view at the offices of the Associated Architects, Wm. B. Ittner, St. Louis, Mo., and Harry B. Wheelock, Birmingham, Alabama.

Plans and specifications can be secured from either Wm. B. Ittner or Harry B. Wheelock by forwarding a deposit check in the sum of \$20, which will be refunded on return of the plans and specifications.

The Board of Education reserves the right to reject any or all bids.

By order of the

BOARD OF EDUCATION.

Bids close September 18, 1924.

Addition to High School

Birmingham, Ala.

Sealed proposals will be received by the Board of Education of Birmingham, Ala., on or before 12 o'clock noon Thursday, September 18, 1924, for the erection and completion of an addition to the Phillips High School in Birmingham, Alabama.

Bids are solicited on the following divisions of the work:

GENERAL WORK.
HEATING AND VENTILATING.
PLUMBING.
ELECTRIC WORK.

Plans and specifications for the above work are on view at the office of D. O. Whildin, Architect, 515 North Twenty-first street, Birmingham, Alabama.

Plans and specifications can be secured from D. O. Whildin by forwarding a deposit check in the sum of \$20, which will be refunded on return of the plans and specifications.

The Board of Education reserves the right to reject any or all bids.

By order of the

BOARD OF EDUCATION.

School Building

Rocky Ford, Ga.

Sealed bids will be received for a one-story school building, consisting of eight rooms and auditorium, brick and tile composition roof. All bids shall be addressed to Dr. H. W. Doster, Chairman Board of Trustees, Rocky Ford, Georgia, and shall be accompanied by certified check for \$200. The owner reserves the right to reject any or all bids. Plans and specifications may be obtained from Scroggs & Ewing, Architects, Augusta, Georgia.

Bids close September 2, 1924.

Power Plant Building and Equipment

Brookhaven, Miss.

BIDS WANTED, September 2, by City of Brookhaven. Location, Brookhaven, Miss.

Type of work and equipment wanted:

Erection of Power Plant building.

Erection of Concrete or brick chimney.

Installation of boilers and steam-pipe system.

Installation of Stokers and coal-handling system.

Installation of Boiler-room instruments.

Sealed proposals will be received by the Board of Mayor and Aldermen of the City of Brookhaven at the City Hall until 7.30 P. M. September 2, 1924, and then publicly opened.

The principal dimensions of boiler house will be:

55 ft.x50 ft. and 40 ft. high, to be constructed of brick, with fireproof roof.

The boiler will be water-tube type, 300 h.p.

The chimney will be 6 ft. internal diam. and 175 ft. high.

The coal-handling equipment will be for moving coal from cars or storage to boilers and removal of ash.

Coal consumed at present 15 tons per day.

The steam-pipe system will be for 200 pounds pressure, 150 degrees super. heat.

The funds available will be from the sale of \$50,000 municipal bonds authorized by public election held July 29, 1924.

Plans, specifications, also forms for proposal contract and surety company bond may be had by addressing R. S. Purser, City Engineer, or Mrs. J. D. Nixon, City Clerk, and depositing \$5.00, which will be refunded upon return of plans within 15 days after bidding date.

Right is reserved to reject any or all bids, or waive any informality in any bid.

Bids close September 27, 1924.

Training School Building

Sealed bids will be received and opened in public on September 27 at 10.30 A. M. by the undersigned for the following work:

For the new Training School Building for the Western Kentucky State Normal School and College at Bowling Green, Kentucky, covering general contract work and the mechanical work according to the subdivisions and other requirements of formal bid blank.

Bids will be addressed to the undersigned and marked on the outside as to what they contain, and must be delivered on the above date and time stated to be considered.

Certified check of 2% of the base bid will be required with the bid to guarantee that if the award is made the contractor will sign the contract and make proper bond.

The Board reserves the right to reject any or all bids.

Plans, specifications and bid blanks may be secured of the Architects, A. Ten Eyck Brown, 717 to 720 Forsyth Building, Atlanta, Georgia, and Nevin, Wischmeyer & Morgan, 1317 Stark Building, Louisville, Kentucky, on receipt of proper application and references.

(Signed) STERRETT CUTHBERTSON,
Vice Chairman Board of Regents,
Western Kentucky State Normal School
and College, Bowling Green, Ky.

Bids close September 1, 1924.

Fire Apparatus

Kinston, N. C.

The City Council of the City of Kinston, N. C., will on Monday, September 1, 1924, at 8 o'clock P. M., receive bids for a Motor-Service Ladder Truck as follows:

One Motor-Service Truck, long ladder to be 50 feet extension, with full complement of ladders; 40 gallons chemical tank, with 200 feet of chemical hose.

Full specifications of chassis and equipments required with prices and terms. The City Council will reserve the right to reject any and all bids.

Address all communications to W. B. Coleman, Clerk, City of Kinston, N. C.

W. B. COLEMAN, City Clerk.



CLASSIFIED OPPORTUNITIES



MINERAL AND TIMBER LANDS WATER POWER, MISCELLANEOUS PROPERTIES

FOR SALE—Water-power Site with coal field, also Powder Plant Site, remote.

W. B. HALL, Owner,
DuQuoin, Ill.

NORTHWEST GEORGIA.

The scene of the next great industrial development in Georgia. Electric power available. Large power plants under construction.

For industrial sites; pine and hardwood timber; brick shales; clays; large or small water powers; farms in a prosperous section. Write, with detail, as to your requirements.

C. E. VANCE, Calhoun, Georgia.

GRAVEL DEPOSIT

FOR SALE—Deposit of gravel, 14 feet deep; about 100 acres at Rock Island, Ill.; rail and river transportation. Address

C. W. KRUEGER,
2200 Mill Street, Rock Island, Illinois.

COAL AND CLAY LAND

FOR SALE—Coal and Clay land. Will sell outright or load on car. Heavy vein. Has been tested. High testing plastic clay. Opened ready to work. No waste material between coal and clay. Samples of raw clay furnished on request.

OREN NEWELL,
New Cumberland, Ohio.

RATES AND CONDITIONS

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TIMBER AND TIMBER LAND

VIRGINIA SPRUCE FOR SALE—Tazewell County, Virginia, one thousand acres fine spruce, will cut close to 20,000,000 feet; trees tall, will cut six 16-foot logs to tree; six miles from railroad across mountain or 12 miles around mountain; good roads. For further particulars write SHAMOKIN LUMBER AND MANUFACTURING CO., Shamokin, Pa.

WE HAVE LISTED 389 million feet timber; several tracts large and small. Pine, hardwood and cypress.

BOX 34, FAIR BLUFF, N. C.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

FOR SALE—50 A bearing Orange Grove. Estimated crop for coming season 15,000 boxes. Located 3 miles from Leesburg on Lake Harris. No better location in Florida. If interested write for full information and price. B. F. Watts, Leesburg, Fla.

WE OWN 12,000 ACRES of Everglades Muck land. Soil over 10 feet deep. Adjoining lands now under cultivation. Sixteen miles of rocked surfaced roads and navigable canals already constructed. This tract fronts on the Cross State Highway. For sale at an attractive price.

CONSOLIDATED REALTY COMPANY,
223 Clematis Ave., West Palm Beach, Fla.

EVERGLADE LAND, rich deep muck soil, five-acre truck farm up to 40,000-acre colonization tracts, million and a half dollar sugar mill near which refined sugar this year. Land adapted to truck, fruit, sugar cane or stock farming.

STEWART, HOLLOPETER & McCUNE,
Realtors, Miami, Florida.

FLORIDA—Playground of the Rich; Paradise of the poor. The fastest developing State in the Union, and Roger Babson, the great business statistician, says that TAMPA is destined to be the greatest city in the Southeast. Come and be one of us. We have a Home, Grove or Farm for you. Send today for booklet, "Largest Orange Tree in the World," and list. Tampa-West Coast Realty Co. (Inc.), Opp. Postoffice, "Since before the war," Tampa, Fla.

CITY AND SUBURBAN PROPERTY

ACT QUICK—FORCED SALE—BARGAIN.
116 acres in heart of Memphis, Tennessee; fast-growing, high-class residence section. Recent costs of ground and improvements over \$700,000. Will sell for half cost, on terms. The best high-class property for subdivision in city. Wire

ED. S. ECKLES,
1783 Union Avenue, Memphis, Tenn.

BUSINESS OPPORTUNITIES

I SPECIALIZE in industrial, warehouse and business sites at or near Tampa, Florida, the seventh largest port in the United States. Jasper Walker, P. O. Box 674, Tampa, Florida.

ESTABLISHED Coca Cola Bottling Plants, with franchises covering territories in following states, are for sale: Iowa, Illinois, Missouri and New York. For particulars address J. J. Willard, Hickory, N. C.

SUBSTANTIAL MANUFACTURING COMPANY wants capable man to open office and manage salesmen; \$500 to \$1500 necessary. Possibilities unlimited. Atlantic Coast Mfg. Co., McKevitt Bldg., Norfolk, Va.

I SPECIALIZE in industrial, warehouse and business sites at and adjacent to Washington, D. C.

M. B. HARLOW,
Harlow Building, Alexandria, Va. Colorado Building, Washington, D. C.

FOR SALE—Unpatented idea of an office device worth millions to the manufacturer and to the user. Address No. 6362, care Manufacturers Record, Baltimore, Md.

PATENT FOR SALE—Best, cheapest, handiest Glass Tube Cutter or Glass Gauge Cutter. Would sell outright or royalty plan. Cuts any length. W. K. Cunningham, Box 427, Oilton, Okla.

FILTER SAND USERS—We are offering for filter purposes 98½% silica sand, effective size .45 millimeters, uniformity coefficient 1.6. Sample sent on request.
EVANS SAND CO., ELLIOTT, S. C.

WONDERFUL OPPORTUNITY. We have several thousand acres of lands lying on either side of Perdido River, which separates Escambia County, Florida, from Baldwin County, Alabama.

A hydro-electric plant could be erected on this property, supplying lights for Mobile, Ala., and Pensacola, Fla., and used for other commercial purposes. We want to get in touch with developers of this proposition.

McCASKILL INVESTMENT COMPANY,
Blount Bldg., Pensacola, Fla.

INDUSTRIES WANTED

INMAN, S. C., wants industries, large and small. Good climate, good labor conditions, electric power, water. Will offer inducements to assist in location of good industries. Write Secretary Chamber of Commerce.

FREE FACTORY SITES.

Locate your plant in the Ohio Valley. The New Martinsville Land Company offers free factory sites.

Splendid train service, advantage of rail and river shipments, coal and natural gas for fuel. Property located at Clarington Station. The State Highway runs through it. Labor is plentiful and living conditions ideal.

The Ohio Valley is the land of opportunity at this time. The Ohio River is rapidly approaching the place where it will be one of the greatest inland waterways in the world. Millions of dollars are now being expended on the river and roads. Address

C. M. HORN BROOK, Secretary
The New Martinsville Land Company,
New Martinsville, West Virginia.

INDUSTRIES WANTED

REST AND EAT is the name for the new up to date Hotel which will be built at the new town of Schriever, La.

Who will, without delay, take advantage of the greatest Hotel opportunity in all the South?

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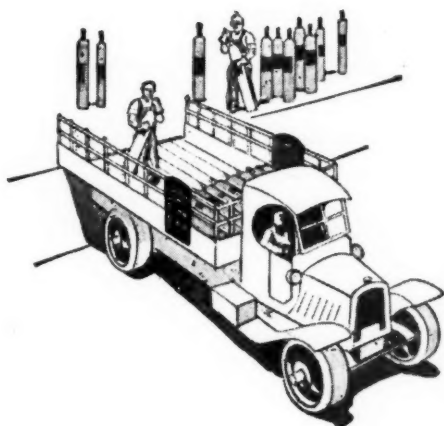
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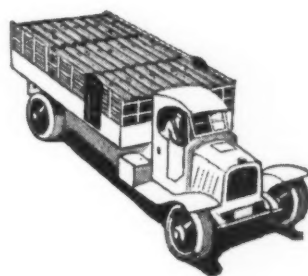


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